RECLAMATION

Managing Water in the West

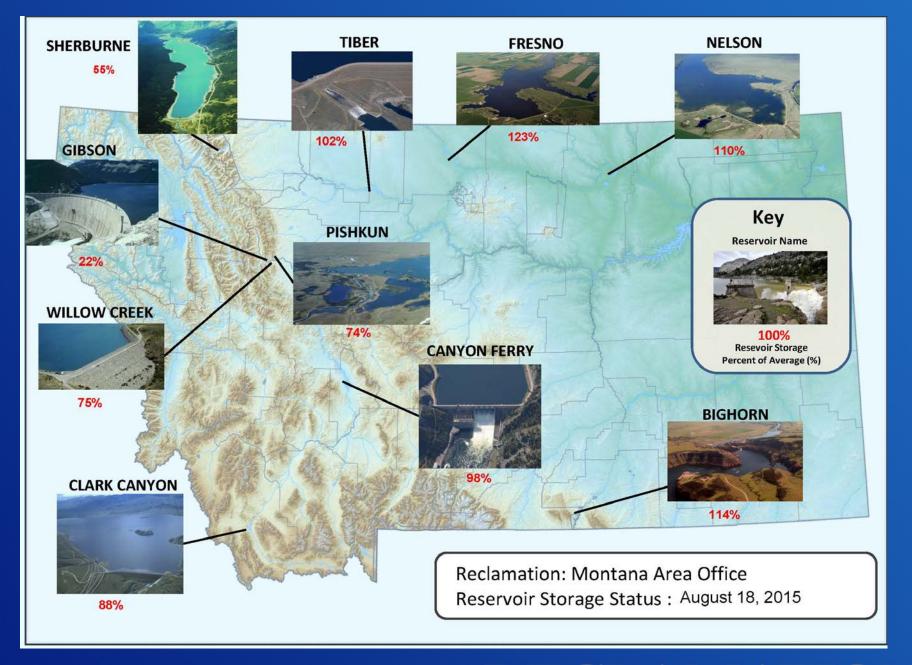
River and Reservoir Status Briefing

RESERVOIR AND RIVER OPERATIONS

Montana Area Office Billings August 20, 2015

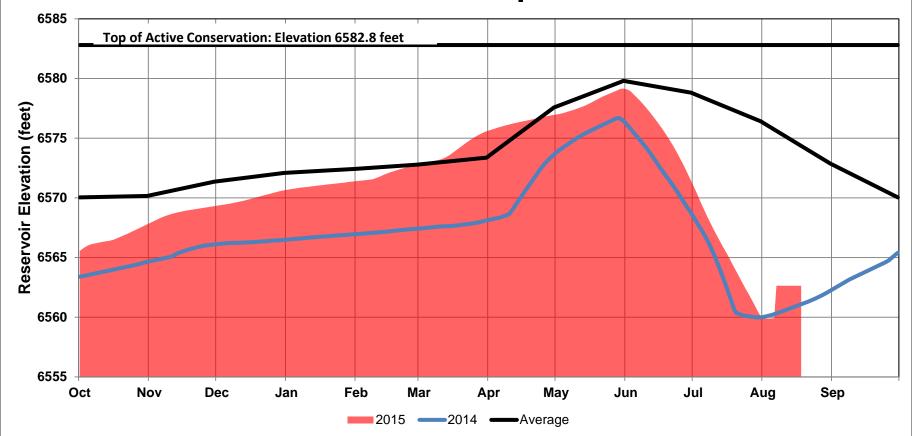


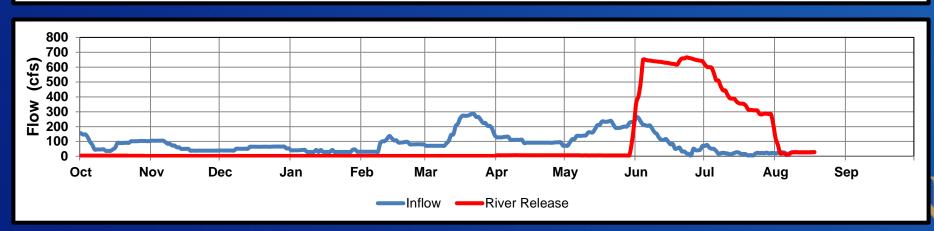
U.S. Department of the Interior Bureau of Reclamation



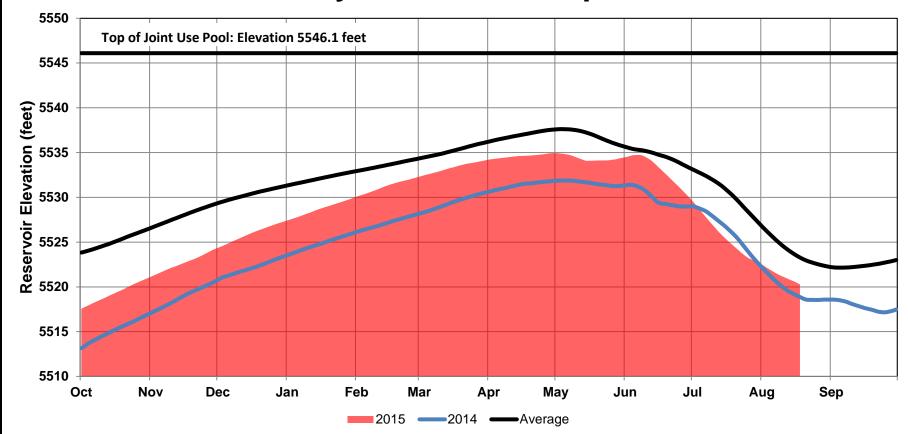
RECLAMATION

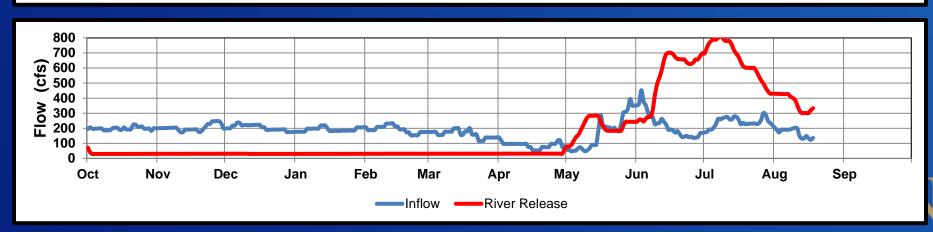
Lima Reservoir Operations



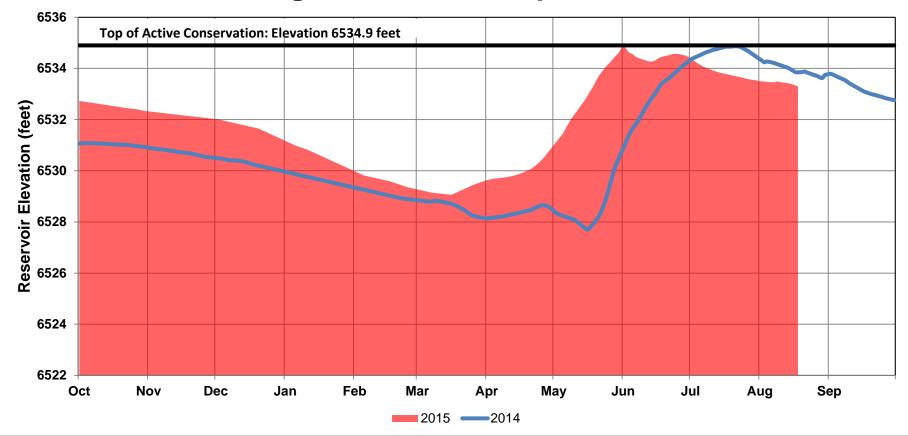


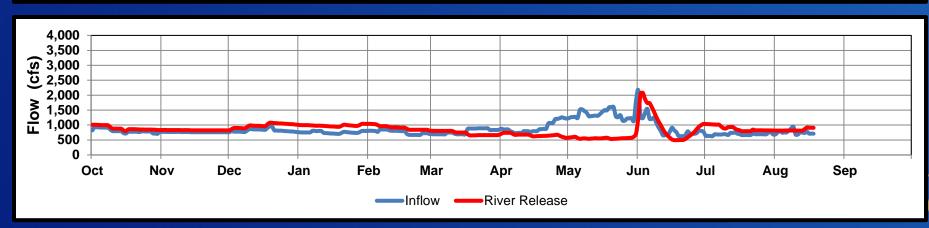
Clark Canyon Reservoir Operations



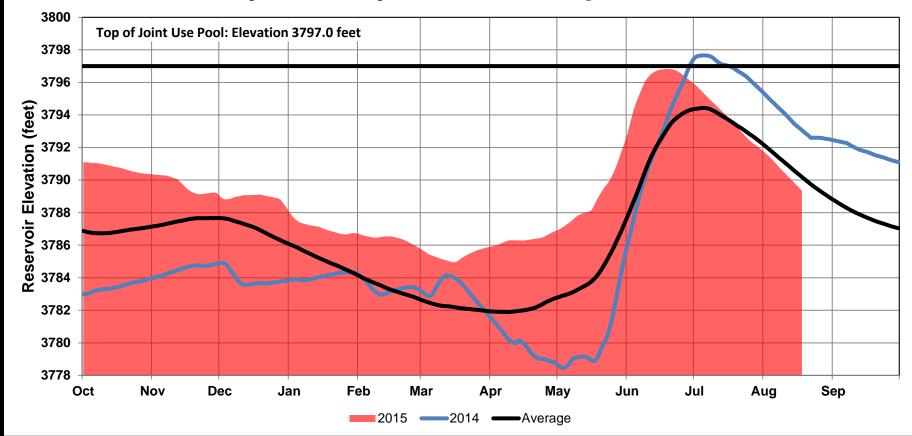


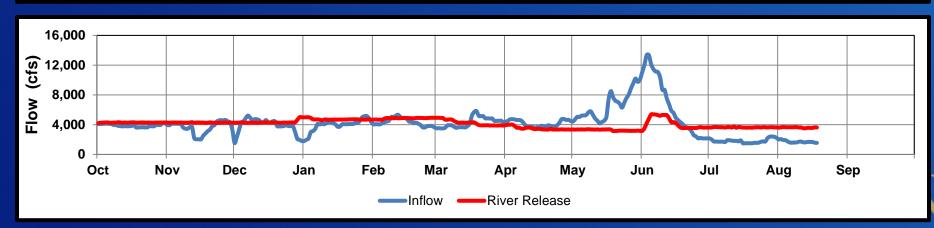
Hebgen Reservoir Operations



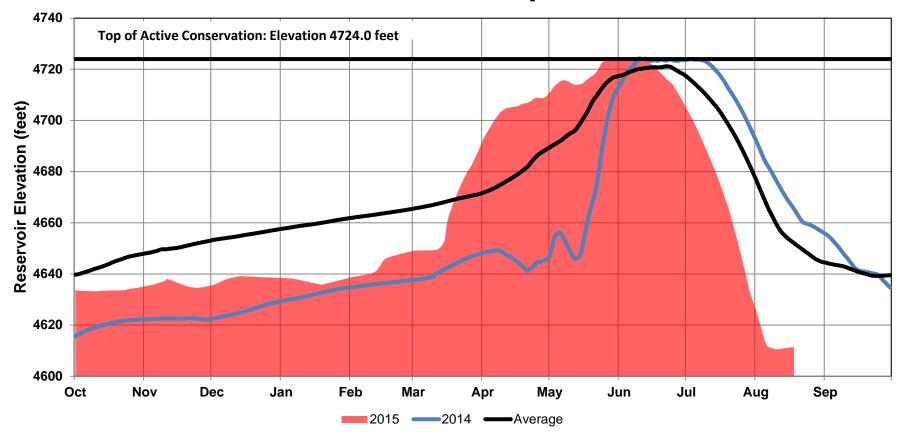


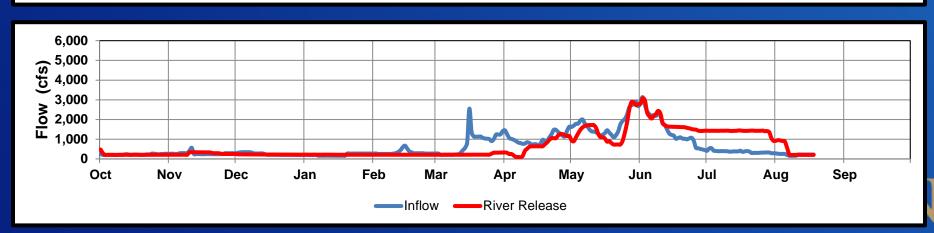
Canyon Ferry Reservoir Operations



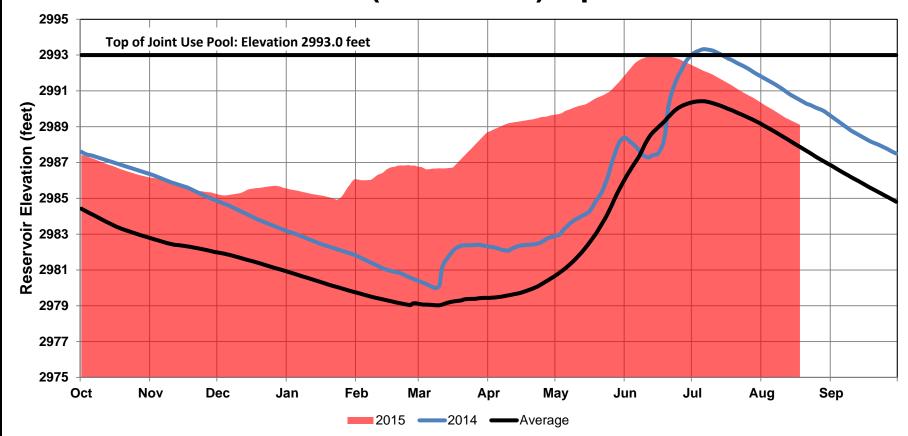


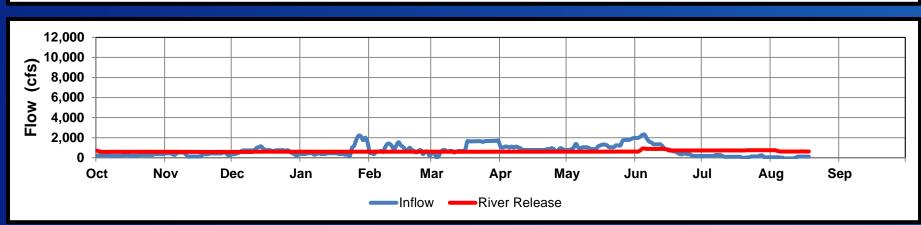
Gibson Reservoir Operations

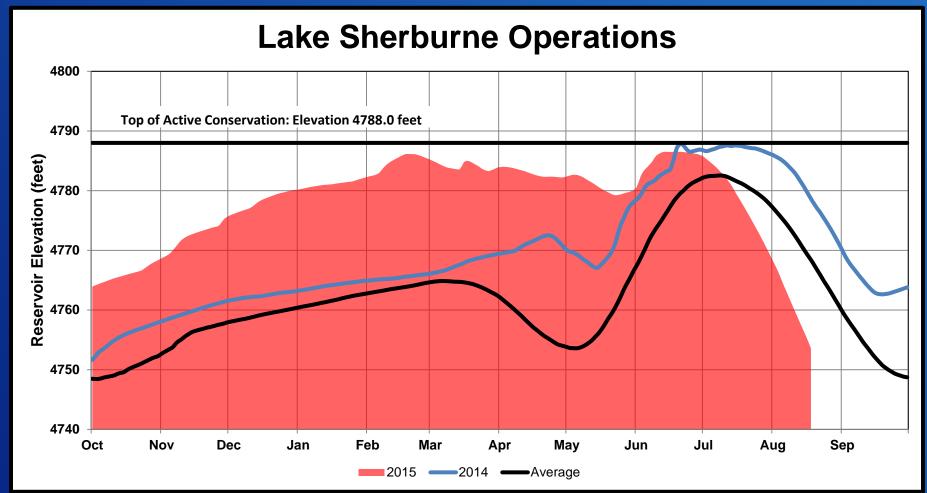


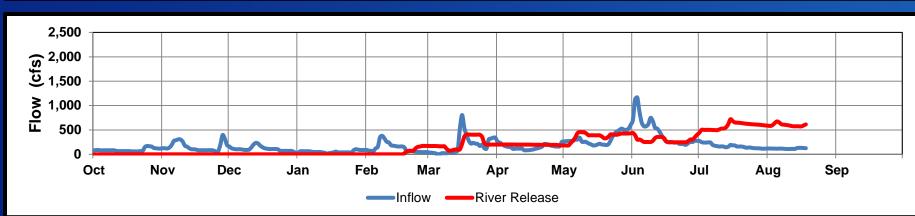


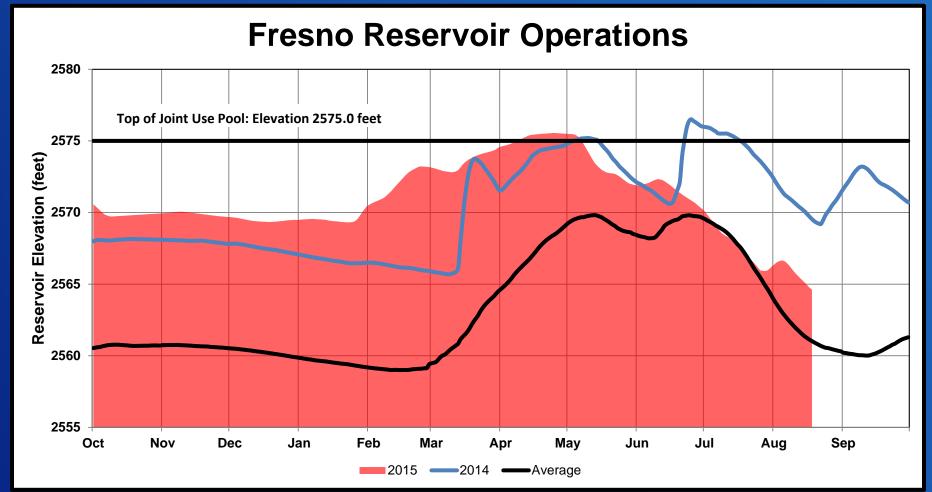
Lake Elwell (Tiber Dam) Operations

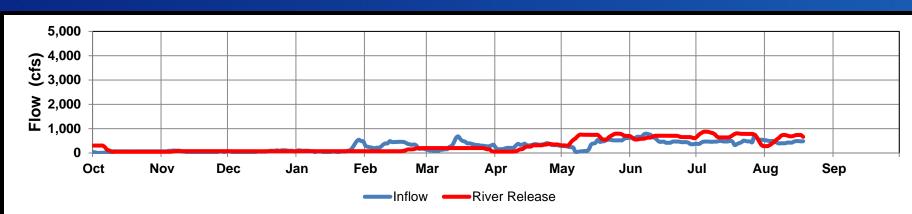




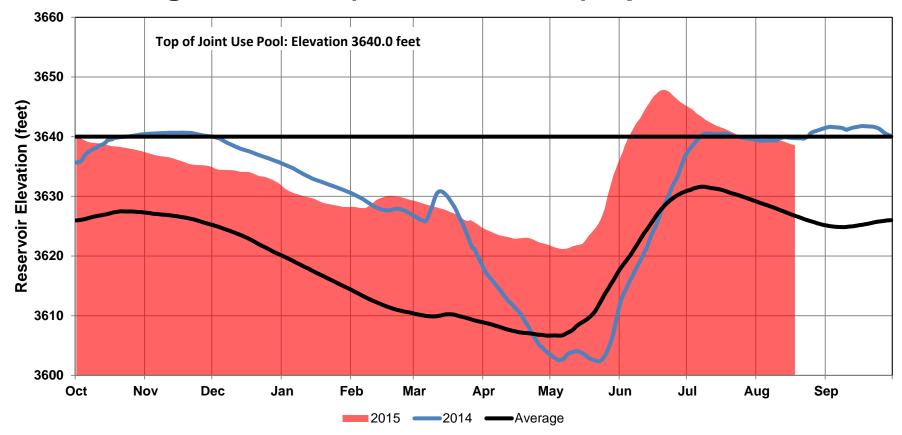


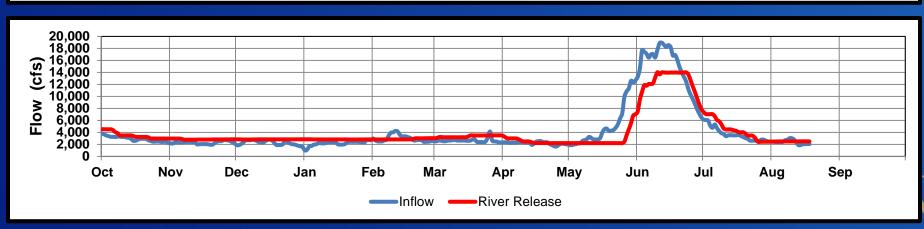






Bighorn Lake (Yellowtail Dam) Operations





Summary of Conditions

- Irrigation shut down to conserve storage (approximate dates)
 - Lima August 2nd
 - East Bench Joint Board Sept 15th
 - Sun River Diversion (GID & FSID) Aug. 7th
 - Milk River Aug. 25th

Inflows continue to be below average

RECLAMATION

Reclamation's Internet Website

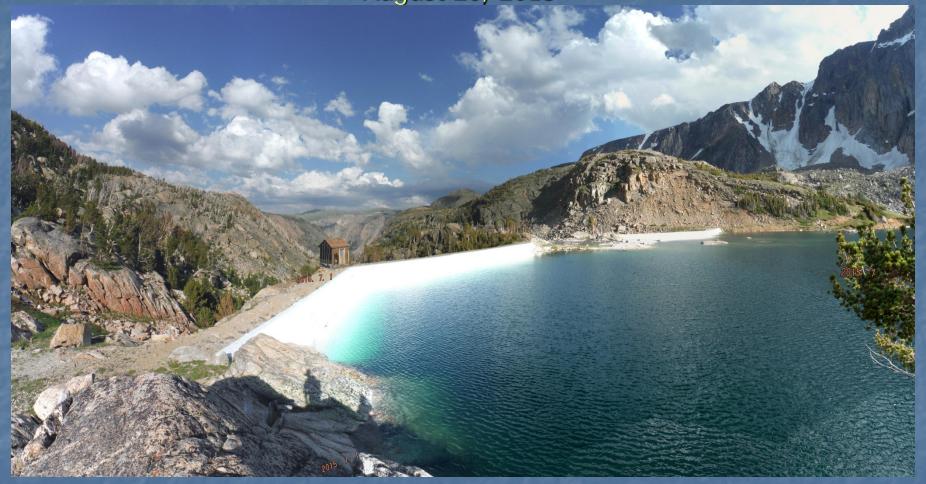
http://www.usbr.gov/gp/hydromet/

- near real-time data available through the HYDROMET data system
- summaries and plots of historical data
- annual reservoir operating plan publication
- monthly water supply reports
- project data
- snow plots
- links to related internet sites

RECLAMATION

Reservoir Storage Outlook

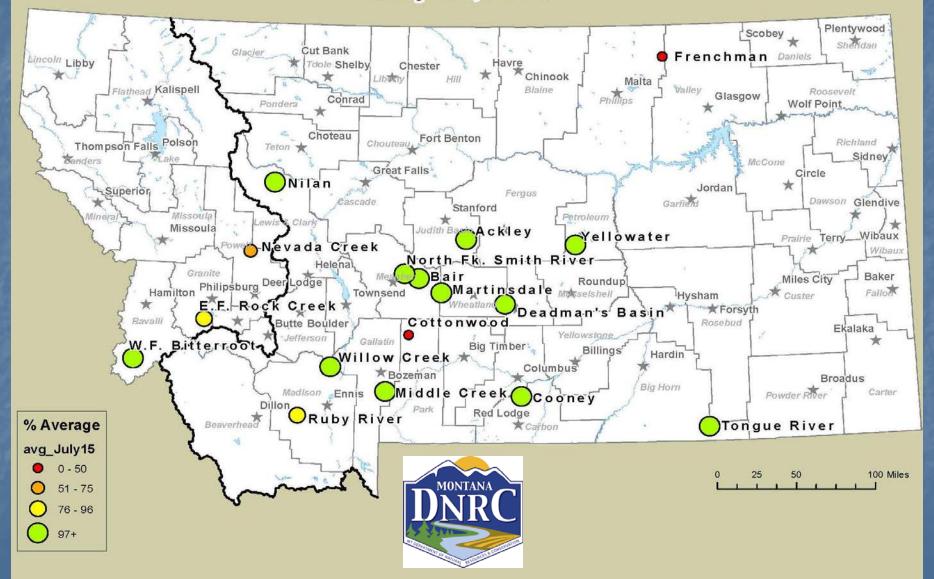
August 20, 2015



DNRC Water Resources Division State Water Projects Bureau



Reservoir Contents Report July 16, 2015



Reservoir Contents Report August 20, 2015



MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

water resources division - state water projects bureau July 31, 2015

All Contents in Acre-Feet

RESERVOIR	TOTAL CAPACITY (includes dead storage)*	CONTENTS							
	Full Pool	AVERAGE	Last Year	Last Month	PRESENT	% CAPACITY	%AVERAGE	READING	COMMENTS
	Contents	1960 - 2014	7/31/2014	6/30/2015	7/31/2015	7/31/2015	7/31/2015	DATE	
ACKLEY	6,722	4,244	5,399	6,472	5,943	88	140	7/31/2015	elev.= 4314.88
BAIR	7,300	4,732	6,416	7,359	6,198	85	131	7/30/2015	elev.=5320.79
COONEY	28,230	22,660	24,440	28,230	27,878	99	123	8/4/2015	elev.=4250.64 (27.788 AF)
COTTONWOOD	1,900	1,270	1,745		1,443	76	114	7/30/2015	elev.=5100.33
DEADMAN'S BASIN	75,968	45,596	61,770	73,624	62,430	82	137	7/30/2015	elev.=3914.24 (58,680 AF)
E.F. ROCK CREEK	16,040	9,634	10,615	11,542	7,556	47	78	8/4/2015	elev.=6029.0
FRENCHMAN	2,777	2,007	2,340	1,316	2,163	78	108	8/3/2015	elev.= 2263.6
MARTINSDALE	23,348	14,051	20,016	22,408	18,655	80	133	7/30/2015	elev.=4774.17
MIDDLE CREEK	10,184	8,641	9,130	9,971	8,489	83	98	7/31/2015	elev.=6713.8
NEVADA CREEK	11,207	8,914	9,243	6,833	5,386	48	60	8/1/2015	elev.=4597.77
NILAN	10,992	7,496	7,833	10,118	8,492	77	113	7/30/2015	elev.=4437.41 (7,592 AF)
N.FK. SMITH RIVER	11,406	8,010	10,732	10,448	9,036	79	113	7/30/2015	elev.= 5480.48
RUBY RIVER	37,612	27,990	30,594	31,893	22,852	61	82	7/31/2015	elev.=5376.1
TONGUE RIVER	79,071	58,831	71,482	80,480	71,437	90	121	7/31/2015	elev.=3426.2
W.F. BITTERROOT	32,362	29,602	30,664	32,709	27,997	87	95	8/1/2015	elev.=4718.3
WILLOW CREEK	18,000	13,389	16,310	18,000	14,232	79	106	7/28/2015	elev.=4731.27
YELLOWATER	3,842	1,512	2,880	3,600	3,398	88	225	8/4/2015	elev.=3117.4

^{*} Note: Reservoir contents include dead storage at the following:

Ackley 1001 AF ** O&M slope storage table does not include dead storage (so dead storage has to be added into the storage from the table)

Cooney 90 AF *** Tongue River 711 AF (O&M storage table includes dead storage)

Deadman's 3750 AF *** W. F. Bitterroot 656 AF (O&M storage table includes dead storage)

Nilan 900 AF *** Willow Creek 269 AF (O&M storage table includes dead storage)

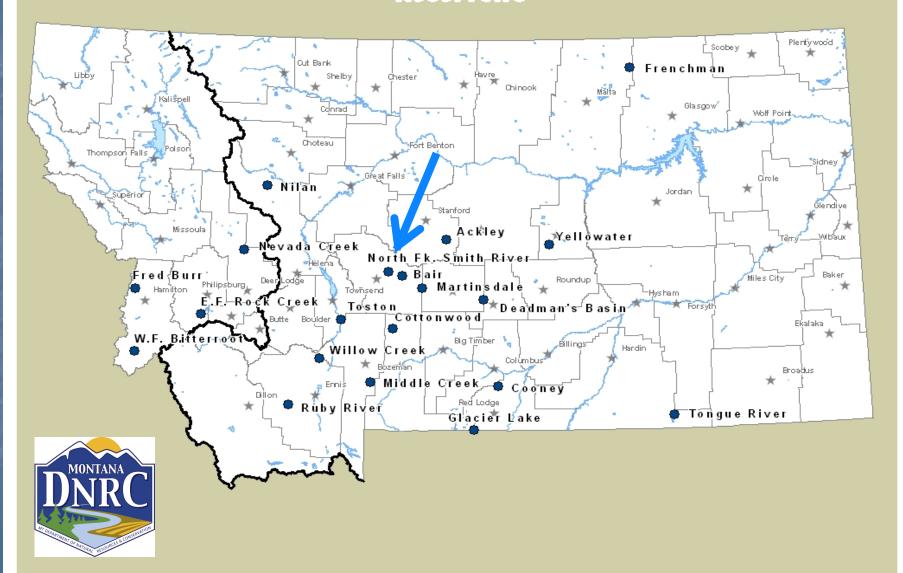
^{*} Note: Cooney capacity reflects capacity after 1982 dam rehabilitation; prior capacity was 24,195 A.F.. Average storage shown is for post rehabilitation data.

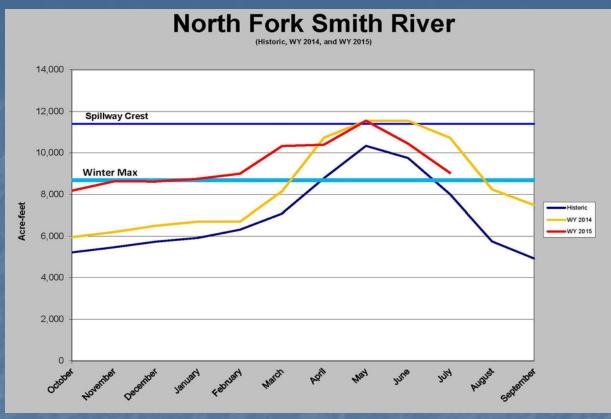
^{*} Note: Middle Creek capacity reflects capacity after 1993 dam rehabilitation; prior capacity was 8,027 A.F.. Average storage shown is for post rehabilitation data.

^{*} Note: Nevada Creek Reservoir Capacity reflects live storage capacity survey conducted in year 2000. Prior live storage capacity documented as 12,723 AF.

^{*} Note: Tongue River capacity reflects capacity after 1999 dam rehabilitation; prior capacity was 68,040 A.F.. Average storage is post rehabilitation data.

^{*} Note: Frenchman Reservoir capacity tables updated based on aerial survey; prior capacity was 3752 A.F. Average shown is pre aerial survey



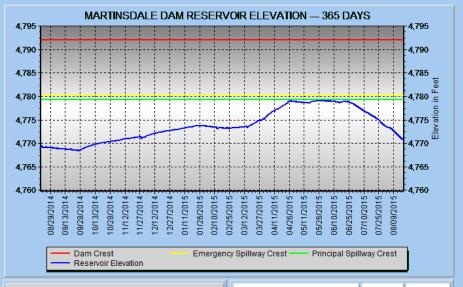


- •7/31/2015
- •79% Capacity
- •113% average
- •9,036 Acre-Feet
- •Elev.= 5480.48









RESERVOIR ELEVATION 4,770.6 FT

RESERVOIR VOLUME 15,706 AF

*NOTE: RESERVOIR ELEVATIONS BELOW 4759.78 FT ARE NOT VALID DUE TO INSTRUMENTATION LIMITATIONS.

REFERENCE INFORMATION	FT (MSL)	AC-FT
DAM CREST	4792.0	38,958
EMERGENCY SPILLWAY CREST	4780.25	24,350
PRINCIPAL SPILLWAY CREST	4779.25	23,348
TRANSDUCER CASE DEPTH	4759.78	8,444



Current Reservoir Data

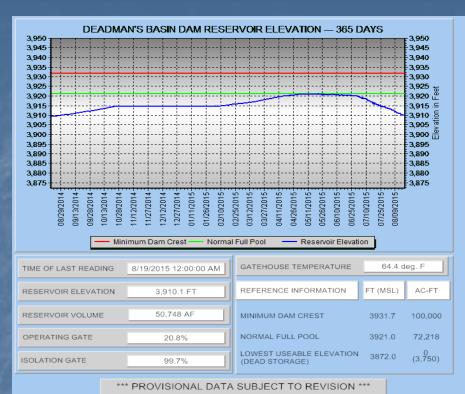
- •67% Capacity
- •133% average
- •15,706 Acre-Feet
- •Inflows=0 cfs
- •Outflows=80 cfs

*** PROVISIONAL DATA SUBJECT TO REVISION ***









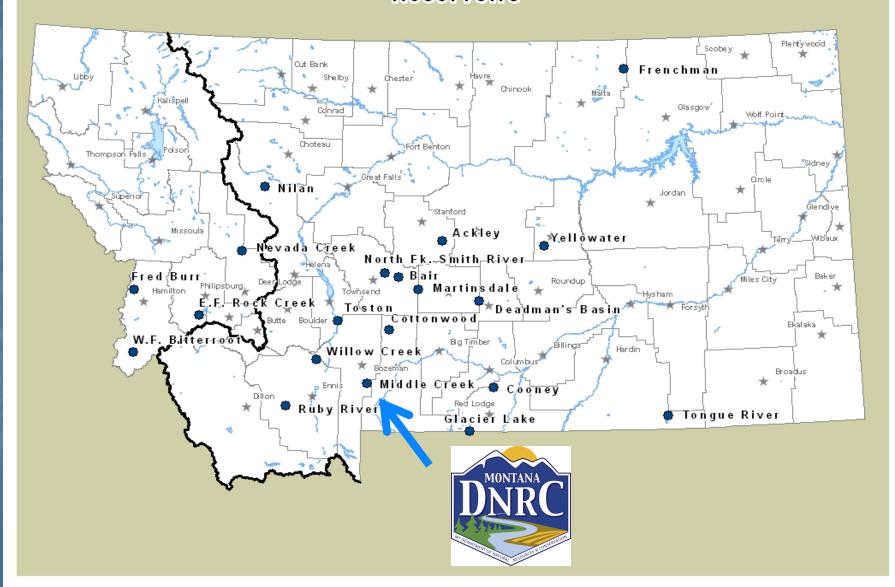


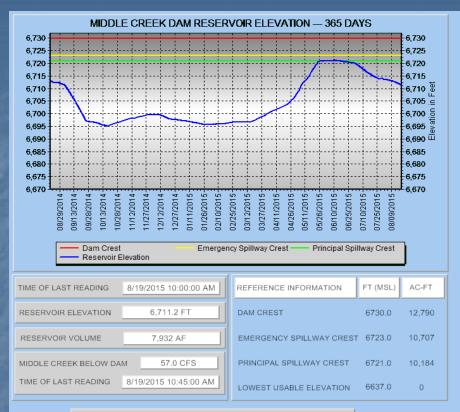
Current Reservoir Data

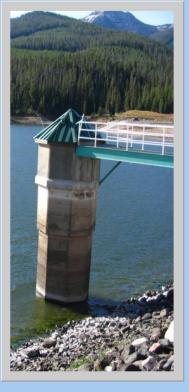
- •72% Capacity
- •133% average
- •54,498 Acre-Feet (Total Storage)
- •Elev.=3910.1





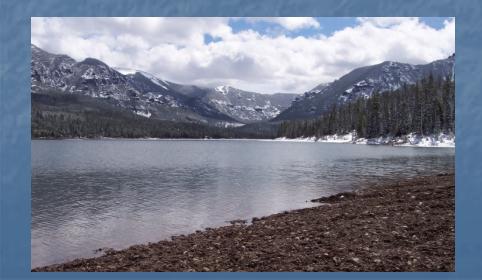


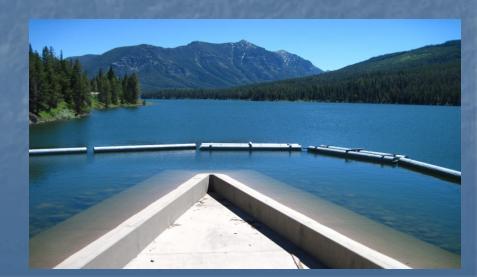




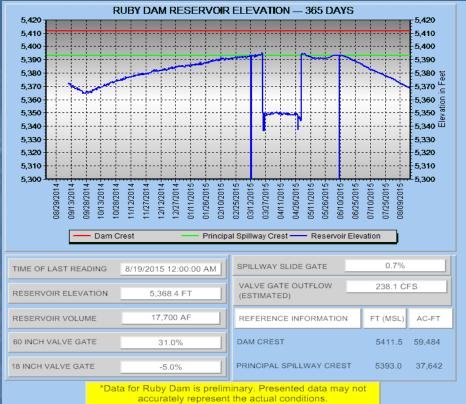
- •Current Reservoir Data
- •78% Capacity
- •104% Average
- •Outflows~57 cfs
- •7,932 Acre-Feet
- •Elev.=6711.2

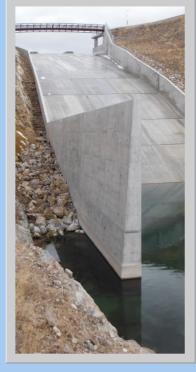
*** PROVISIONAL DATA SUBJECT TO REVISION ***





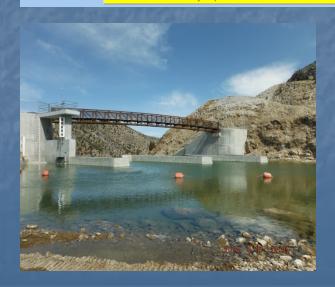




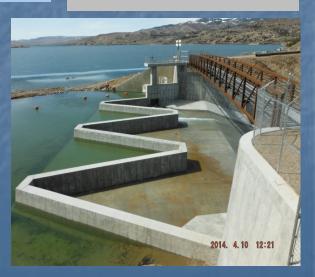


Current Reservoir Data

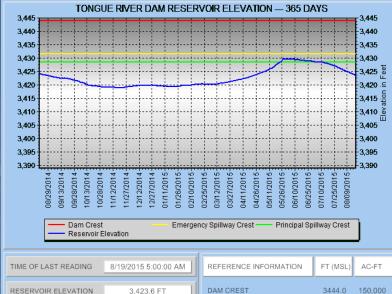
- •47% Capacity
- •79% average
- •17,700 Acre-Feet
- •Elev.=5368.4
- •Inflows=106 cfs
- •Outflows=223 cfs

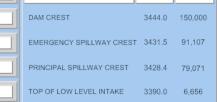












*** PROVISIONAL DATA SUBJECT TO REVISION ***

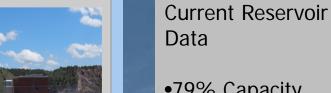
62,462 AF

23.0%

1.0%

RESERVOIR VOLUME PRIMARY GATE

SECONDARY GATE

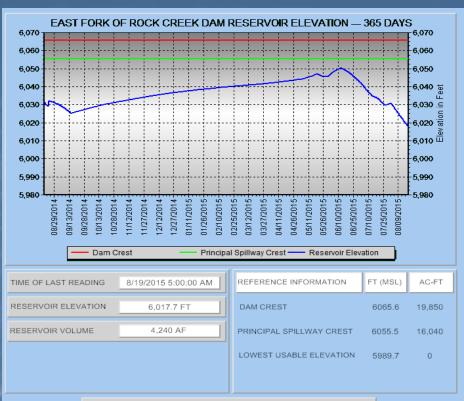


- •79% Capacity
- •119% Average
- •62,462 Acre-Feet
- •Elev. = 3423.6
- •Inflows=147 cfs
- •Outflows=485 cfs











Current Reservoir Data

- •26% Capacity
- •53% average
- •4,240 Acre-Feet
- •Elev.=6017.7

*** PROVISIONAL DATA SUBJECT TO REVISION ***









Nevada Creek Water Users Association Helmville, Montana Page Back 1 Home 1 Page Forward

Nevada Creek - Current Inf

- · Current Flow above reservoir
- Current Reservoir Measurements
- . Current Flow below reservoir
- Current Status of Irrigation Rights
 Upper Nevada creek drainage

Nevada Creek W.U.A.

· Historical Imgation Statistics

Irrigation Rights Listings "Nevadu Creek Drainage"

- . Flow Chart Nevada creek drainage
- Drainage section designations
- listings: sorted by priority date
- Upper Nevada creek drainage rights Sections A-ND-B
- Spring creek area rights Section S
- Cottonwood creek drainage rights Section C
- Douglas creek drainage rights Section D
- McElwain creek drainage rights Section D

helmville.com//page_id=24[8/19/2015 11:20:05 AM]

Current Measurements for Nevada Creek Reservoir

Nevada Creek Reservoir

Storage Capacity @spillway (AF) \rightarrow 11,152 Spillway Elevation (ft) \rightarrow 4615.85 Current Statistics

As Measured On - Tuesday, August 18, 2015 at 10:00 AM

4589.71	Current Storage Elevation (ft) →	3,491	Current Storage Volume (AF) →
47%	Current Storage % of Ave. (81-'10) →	7,374	Average Storage (81-'10) (AF) →
31.3%	Current % of Capacity →	-7,661	Current +/- Capacity (AF) →
		21,582	VVY Total Inflows (AF) →
48.2	Current Dam Discharge (cfs) →	21,926	WY Total Discharged (AF) →

Flow Averages

for period ending → Tuesday, August 18

Time Span (days) →	6	Total Reservoir Inflows** (cfs) →	13.3
Average Dam Discharge (cfs) →	75.5	Nevada Creek Inflow - USGS (cfs) →	7.8
		Storage Gain / Loss (AF/day) →	-123.4

Nevada Creek Reservoir - Storage Volume Graph WY2015



enter search terms

Most Frequently Viewed

- Current Flow above reservoir
- Current Reservoir Measurements
- · Current Status of Imigation Rights

Water Supply Information

- Snowpack & Precipitation Reports
- Snotel Sites Nevada Ck area
- · Streamflow Gage Sites

More Water References

- Water Rights Query System (MT-DNRC)
- Powell County Water Resources Survery (1959)
- Basic Montana Water Law
- Water Rights in Montana Handbook
- Water Measurement Manual USBR

Subscribe to Email Updates

Name

34,00

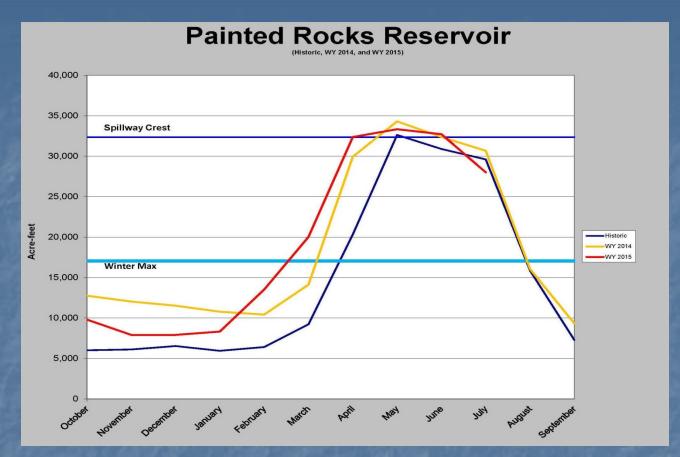
Current Reservoir Data

- •31% Capacity
- •47% average
- •3,491 Acre-Feet
- •Elev.=4589.71









Reservoir Data 7/31/2015

- •87% Capacity
- •95% average
- •27,997 Acre-Feet
- •Elev.=4718.3

8/19/2015

•Outflows=353 cfs





Summary

- East of the Divide-DNRC SWP Reservoirs are near/at/above Historic Average storage levels for August.
- West of the Divide-DNRC SWP Reservoirs are below to well below Historic Average Storage levels for August
- Available storage is offsetting decreed water shortages, and providing needed stream flows to project areas that use rivers/streams as conveyance systems, i.e. Painted Rocks, Tongue River, Nevada Creek, Upper Musselshell, Deadman's, Flint Creek...
- Potential Winter Carryover for WY 2016 is being monitored by the associations and DNRC SWP.



http://drought.mt.gov

Map Key

Drought Impact Type

AAAAA ContinentalDivide

Moisture Status

Current Month

Extremely Moist

Moderately Moist

Slightly Moist

Near Average (Normal)

Slightly Dry

Moderately Dry (Drought Alert)

Extremely Dry (Severe Drought)

Drought Impact Types -

A = Agricultural - Soil Moisture, Range conditions

H = Hydrological - Water Supplies, Streamflow, Groundwater

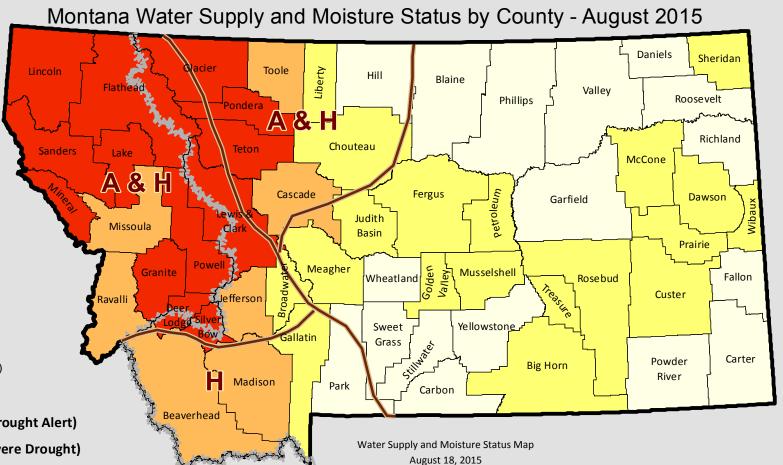
Drought Alert - Governor's Drought Advisory Committee strongly encourages local officials to convene local drought committees.

Severe Drought - Local officials

should have local drought planning efforts underway or should reconvene the local drought committee at the earliest opportunity.

For recommended responses, see the Montana Drought Plan





According to the National Weather Service, Crop Year to date (April 1, 2015 – August 18, 2015) precipitation totals at valley elevations ranged from about 80 - to 110-percent of normal for the **southwest** region; 45- to 60-percent for the **western** region; 80- to 110-percent for the **central** region; 80- to 110-percent for the **central** region, and 90- to 120-percent for the **southcentral** region, with exceptions in all seven regions of the state.

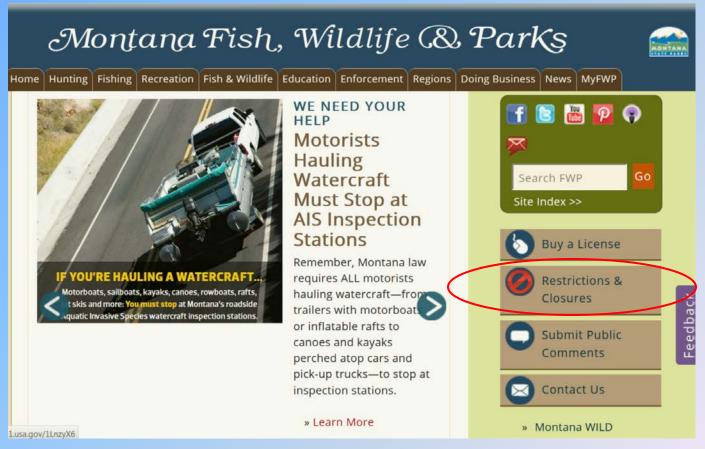
Flows in the Yellowstone, and lower Missouri River Basins are rated as normal at this time. The Clark Fork River basin is below to much below normal according to the USGS as of August 18, 2015: http://waterwatch.usgs.gov/new/index.php?m=real&r=mt&w=map

The August 1, 2015 NRCS Surface Water Supply Index (SWSI) map rates only 18 of 54 Montana river basins as above the *Extremely* Dry category with only six (6) river basins rated as *Near Average*; three (3) basins are rated as *Slightly Dry*; with the remaining river basins rated as *Moderately Dry* See: http://docs.msl.mt.gov/geoinfo/CurrentSWSI/CurrentSWSI.pdf

Cooler than normal temperatures over the course of the past few weeks have offered a reprieve from 90 -degree and above temperatures with little precipitation of July. Harvest of grains is well ahead of normal due to early maturity from the unseasonal heat of mid - summer. The August 16 USDA Crop Progress Report noted topsoil moisture 47-percent Adequate to Surplus and subsoil moisture 48 percent rated as adequate to surplus. The report noted that some rainstorms were heavy although spotty in coverage. Producers were moving livestock off of "exhausted s ummer ranges early" with 10-percent of sheep and 10 percent of cattle moved.

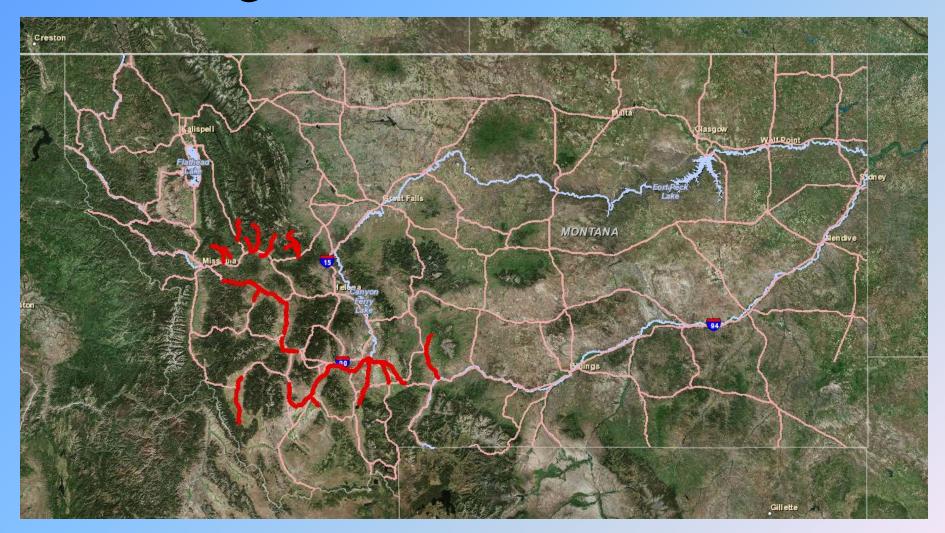


How to Stay Informed http://fwp.mt.gov/





Fishing Closures and Restriction





Belmont Creek

Hoot Owl Fishing Restriction starting 07/30/2015

Mandatory Drought Closure - 2 PM to Midnight

Tributary to the Blackfoot River. (7/29/2015)

View Water Body Report

Big Hole River

Hoot Owl Fishing Restriction starting 08/04//2015

Mandatory Drought Closure - 2 PM to Midnight

Hoot owl restrictions in place for the following river sections of the Big Hole

River: Maiden Rock FAS up to the Notch Bottom FAS. (8/4/2015)

View Water Body Report

Madatory Drought Closure starting 8/19/2015.

Mandatory Drought Closure - [24 hour]

Big Hole River from the Notch Bottom FAS to the confluence with the

Beaverhead River. (8/18/2015)

View Water Body Report

Madatory Drought Closure starting 8/19/2015.

Mandatory Drought Closure - [24 hour]

River sections of the Big Hole River: Saginaw Bridge on Skinner Meadows

Road to North Fork Big Hole River. (8/18/2015)

View Water Body Report

Clark Fork River

Hoot Owl Fishing Restriction starting 08/19/2015

Mandatory Drought Closure - 2 PM to Midnight

Clark Fork River from its headwaters downstream to Rock Creek.

(8/19/2015)

View Water Body Report

Copper Creek

Hoot Owl Fishing Restriction starting 07/30/2015

Mandatory Drought Closure - 2 PM to Midnight

Tributary to Landers Fork. (7/29/2015)

View Water Body Report



Copper Creek

Hoot Owl Fishing Restriction starting 07/30/2015
Mandatory Drought Closure - 2 PM to Midnight
Tributary to Landers Fork. (7/29/2015)
View Water Body Report

Cottonwood Creek

Hoot Owl Fishing Restriction starting 07/30/2015
Mandatory Drought Closure - 2 PM to Midnight
Tributary to the Blackfoot River. (7/29/2015)
View Water Body Report

East Gallatin River

Hoot Owl Fishing Restriction starting 07/10/2015

Mandatory Drought Closure - 2 PM to Midnight

Entire East Gallatin River from its origin at the confluence of Rocky and

Sourdough Creeks to its confluence with the West Gallatin River. (7/9/2015)

View Water Body Report

Flint Creek

Hoot Owl Fishing Restriction starting 07/03/2015

Mandatory Drought Closure - 2 PM to Midnight

From the Highway 1 Bridge near milepost 53 to the mouth. (7/2/2015)

View Water Body Report

Gallatin River

Hoot Owl Fishing Restriction starting 07/10/2015

Mandatory Drought Closure - 2 PM to Midnight

Lower Gallatin River from Sheds Bridge (Hwy 84) near Four Corners, MT, downstream to its confluence with the Madison River at Three Forks. (7/9/2015)

View Water Body Report

Gold Creek

Hoot Owl Fishing Restriction starting 07/30/2015
Mandatory Drought Closure - 2 PM to Midnight
Tributary of the Blackfoot River. (7/29/2015)
View Water Body Report



Monture Creek

Hoot Owl Fishing Restriction starting 07/30/2015

Mandatory Drought Closure - 2 PM to Midnight

Tributary to Blackfoot River. (7/29/2015)

View Water Body Report

Morrell Creek

Hoot Owl Fishing Restriction starting 07/30/2015

Mandatory Drought Closure - 2 PM to Midnight

Tributary to Clearwater River. (7/29/2015)

View Water Body Report

North Fork Blackfoot River

Hoot Owl Fishing Restriction starting 07/30/2015

Mandatory Drought Closure - 2 PM to Midnight

North Fork Falls to the confluence with the Blackfoot River. (7/29/2015)

View Water Body Report

Ruby River

Hoot Owl Fishing Restriction starting 07/10/2015

Mandatory Drought Closure - 2 PM to Midnight

Portions of the Ruby River from Duncan District Road to its confluence with the Beaverhead River. (7/9/2015)

View Water Body Report

Shields River

Hoot Owl Fishing Restriction starting 07/10/2015

Mandatory Drought Closure - 2 PM to Midnight

Most of the Shields River from its confluence with Smith Creek downstream to its confluence with the Yellowstone River. (7/9/2015)

View Water Body Report

Silver Bow Creek

Hoot Owl Fishing Restriction starting 07/03/2015

Mandatory Drought Closure - 2 PM to Midnight

From Blacktail Creek to the mouth where it joins with Warm Springs Creek. (7/2/2015)

View Water Body Report



Reopened Waterbodies

Bitterroot River

Hoot Owl Fishing Restriction Lifted starting 8/19/2015.

Closure Lifted

Bitterroot River from its origin at the confluence of the East and West Forks of the Bitterroot River to its mouth. (8/19/2015)

View Water Body Report

Blackfoot River

Hoot Owl Fishing Restriction Lifted starting 8/19/2015.

Closure Lifted

Blackfoot River from its headwaters to its confluence with the Clark Fork River. (8/19/2015)

View Water Body Report

Clark Fork River

Hoot Owl Fishing Restriction Lifted starting 8/19/2015.

Closure Lifted

Clark Fork River from Rock Creek downstream to its confluence with the Flathead River. (8/19/2015)

View Water Body Report





Fire Restrictions

Stage 1 or 2 Fire Restrictions for many many

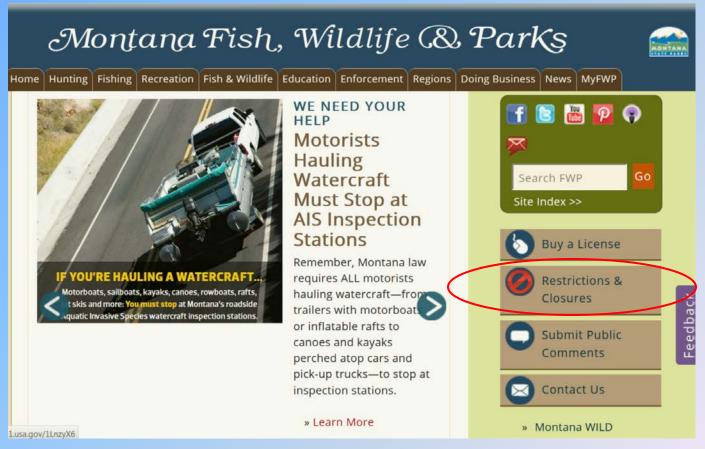
- Fishing Access Sites (FASs)
- State Parks and,
- Wildlife Management Areas (WMAs)



33 of 96 gauged stream below Instream flow water right

DESCRIPTION	Q < Instream Flow	flow max Instrea	ımFlow
Gallatin R Basin	TRUE	380	850
Big Hole River Abv Pintler Creek	TRUE	89	160
Big Hole River Basin	TRUE	89	573
Big Hole River Abv Old Divide Dam	TRUE	252	800
Bighorn R	TRUE	2390	2800
Clarks Fork Yellowstone R	TRUE	343	399
Smith R Abv Sheep Crk	TRUE	77	90
Smith R Abv Hound Crk	TRUE	87	150
Smith R Abv Cascade Cty Line	TRUE	77	140
Marias R Abv Tiber Res	TRUE	123	200
Dearborn R	TRUE	51	110
Little Prickly Pear Crk	TRUE	30	70
Missouri Abv Canyon Ferry	TRUE	1570	2400
Madison R	TRUE	1200	1300
Jefferson R	TRUE	327	1095.5
Rock Crk	TRUE	195	250
South Fork Flathead R Abv Hungry Horse Res	TRUE	372	700
North Fork Flathead River Basin	TRUE	752	1400
Middle Fork Flathead R	TRUE	562	850
Blackfoot R	TRUE	451	700
Tobacco River Basin	TRUE	42	100
Battle Crk	TRUE	1.1	5
Middle Fork Poplar R	TRUE	1.7	2
Rock Crk (Milk)	TRUE	1.7	8
Madison R Abv Ennis Res	TRUE	1010	1050
Boulder R	TRUE	33	47
Rock Crk Abv Ranck Crk	TRUE	42	150
Blackfoot R Abv Clearwater	TRUE	294	500
Flathead R Abv SF Flathead R	TRUE	1314	2100
Yellowstone R Abv Bighorn R	TRUE	2790	3500
Beaverhead R	TRUE	94	200

How to Stay Informed http://fwp.mt.gov/

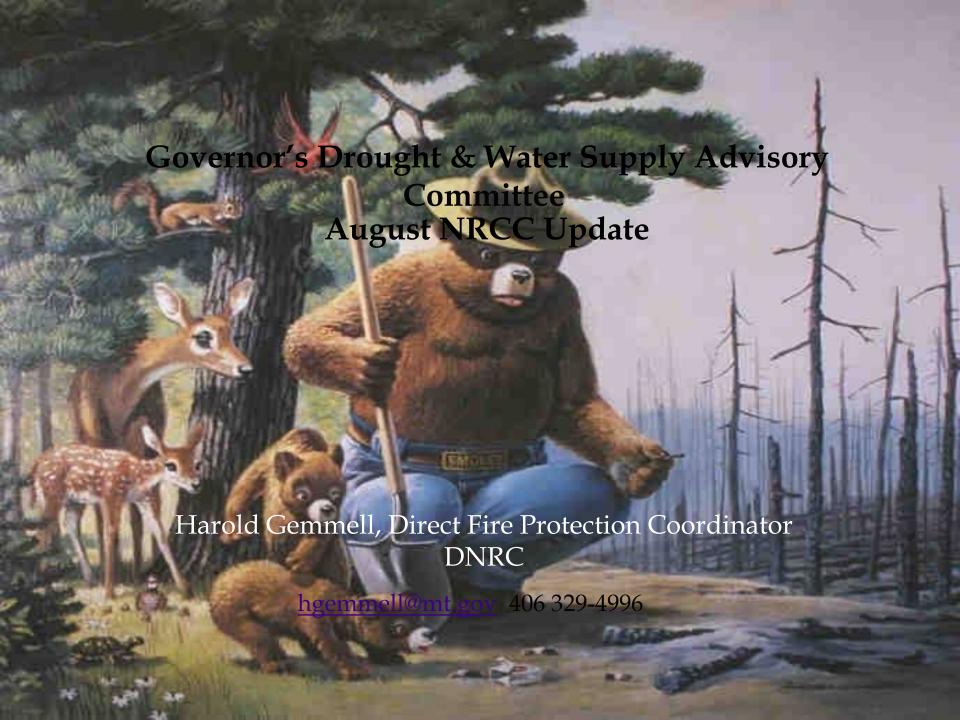




Moisture Status by County

NAME A	August 2015
Beaverhead	Moderately Dry
Big Horn	Slightly Dry
Blaine	Near Average (Normal)
Broadwater	Slightly Dry
Carbon	Near Average (Normal)
Carter	Near Average (Normal)
Cascade	Moderately Dry
Chouteau	Slightly Dry
Custer	Slightly Dry
Daniels	Near Average (Normal)
Dawson	Slightly Dry
Deer Lodge	Extremely Dry
Fallon	Near Average (Normal)
Fergus	Slightly Dry
Flathead	Extremely Dry
Gallatin	Slightly Dry
Garfield	Near Average (Normal)
Glacier	Extremely Dry
Golden Valley	Slightly Dry
Granite	Extremely Dry
Hill	Near Average (Normal)
Jefferson	Moderately Dry
Judith Basin	Slightly Dry
Lake	Extremely Dry
Lewis & Clark	Extremely Dry
Liberty	Slightly Dry
Lincoln	Extremely Dry
Madison	Moderately Dry
McCone	Slightly Dry
Meagher	Slightly Dry
Mineral	Extremely Dry
Missoula	Moderately Dry
Musselshell	Slightly Dry
Park	Near Average (Normal)

NAME	August 2015
Petroleum	Slightly Dry
Phillips	Near Average (Normal)
Pondera	Extremely Dry
Powder River	Near Average (Normal)
Powell	Extremely Dry
Prairie	Slightly Dry
Ravalli	Moderately Dry
Richland	Near Average (Normal)
Roosevelt	Near Average (Normal)
Rosebud	Slightly Dry
Sanders	Extremely Dry
Sheridan	Slightly Dry
Silver Bow	Extremely Dry
Stillwater	Near Average (Normal)
Sweet Grass	Near Average (Normal)
Teton	Extremely Dry
Toole	Moderately Dry
Treasure	Slightly Dry
Valley	Near Average (Normal)
Wheatland	Near Average (Normal)
Wibaux	Slightly Dry
Yellowstone	Near Average (Normal)



Northeast Kootenai Complex 2065 Acres T2 IMT Assigned

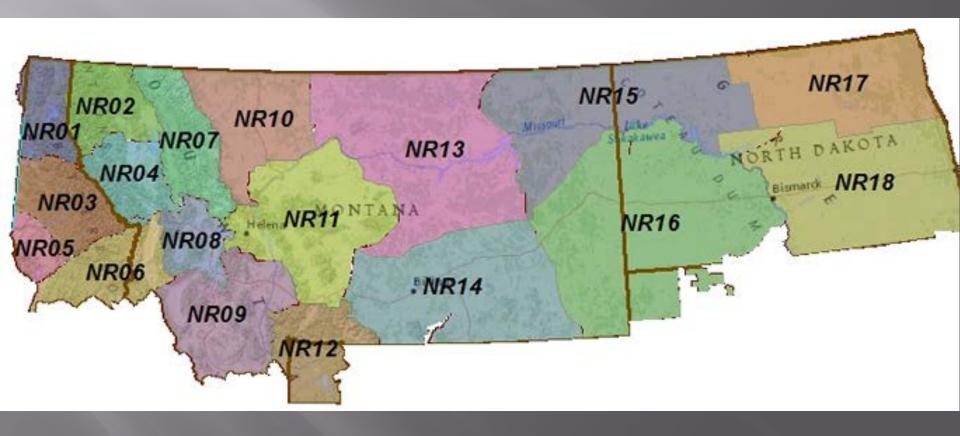








NORTHERN ROCKIES GEOGRAPHIC AREA PREDICTIVE SERVICE AREAS



(NEW) SILVER BUTTE. DNRC Protection, Kootenai NF in the backcountry NE of Trout Creek. 3 acres, 0% contained. Canadian rappellers working the fire.

FISHER MOUNTAIN. Northwest Land Office, MT DNRC. Fire on Fisher Mountain southeast of Libby. 39 acres. Fire is lined, but not containment estimate available. Burning in timber on Plum Creek lands. Full Suppression Strategy. Lightning-caused. 30 people assigned.

TROPHY RIDGE FIRE, Northeast Land Office, MT-DNRC. 4,496 acres. 80% contained. Cause unknown, located 15 miles E of Roy, MT.

WILDHORSE FIRE, Southwestern Land Office, MT-DNRC. Full Suppression Strategy. 133 acres. 25% containment. DNRC in unified command with Ninemile RD and the Missoula County All-Hazard IMT (T3).

TWIN CREEK FIRE, Northwest Land Office, MT-DNRC. 50 acres. Fire is lined and 40% contained

NORTHEAST KOOTENAI COMPLEX, Kootenai NF. Full Suppression management strategy. Lightning caused, located 4 miles NW of Trego, MT. Timber. Type 2 Incident Management Team (Pearson, IC). Complex includes: Marston 2,200ac, Sunday Creek 60ac, Burnaby 5ac. Active fire behavior with short crown runs, group torching and signal tree torching. Eureka, MT residences and structures are threatened.

Thompson divide complex, Glacier NP. Full Suppression, Point Zone Protection, and Confinement management strategy. Cause unknown, located 3 miles SW of Essex, MT. Type 2 Incident Managment Team (Leach, IC). Complex includes: Thompson fire 13,820ac (0%), Sheep 73ac (0%), Granite 39ac (0%). Timber. Moderate fire behavior reported. Two historical cabins and numerous other structures threatened. Area and trail closures in effect. Anticipated containment 10/15.

Morrell Complex, Lolo NF. Point Zone Protection management strategy. Lightning caused, located 7 miles N of Seeley Lake, MT. Type 2 Incident Management Team (Grant, IC). Complex includes: Richmond Ridge 2 5ac (0%), Richmond Ridge 279ac (0%), and North Richmond 100ac (0%). Timber and closed timber litter. Active fire behavior with group torching, short-range spotting and backing. Road, area and trail closures in effect.

Napoleon 1, Kootenai NF. Point Zone Protection management strategy. Lightning caused, located 5 miles N of Noxon, MT. Timber. Active fire behavior. Structures threatened. Road, area and trail closures in effect. Last report unless significant activity occurs.

(return to Intelligence page)

(go to YTD & Historical page)

LEGEND



Department of the Interior

- Bureau of Indian Affairs
- Bureau of Land Mgmt
- U.S. Fish & Wildlife
- National Park Service



Department of Agriculture

- U.S. Forest Service



State Agencies

- Idaho Dept. of Lands - Montana Dept. of Natural Resources & Conservation
 - North Dakota Forest Service

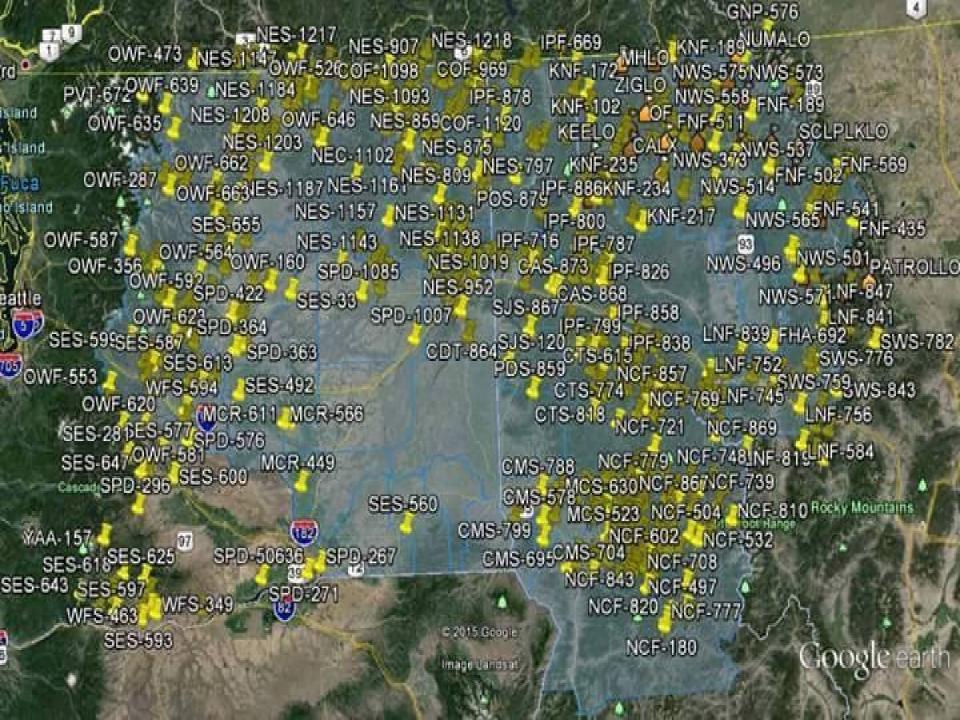


Other Agencies

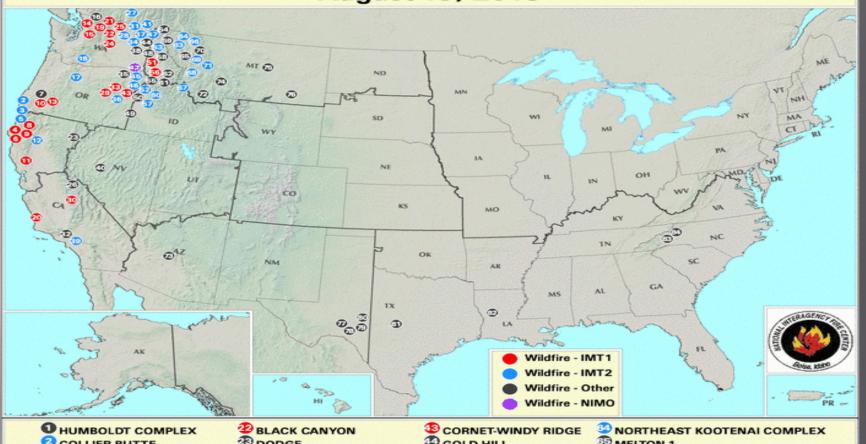
- Dept. of Defense - Tribes
 - THE



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Current Large Incidents August 19, 2015



COLLIER BUTTE 3 GASQUET COMPLEX O ROUTE COMPLEX 6 NICKOWITZ MAD RIVER COMPLEX CABLE CROSSING 1 RIVER COMPLEX 9 FORK COMPLEX TOUTS CREEK JERUSALEM 2 SOUTH COMPLEX 1 NATIONAL CREEK COMPLEX CARPENTER ROAD PHILLIPS CREEK BLANKENSHIP FIRST CREEK 6 BENDIRE COMPLEX THURSDAY CREEK MARBLE VALLEY

COUNTY LINE 2

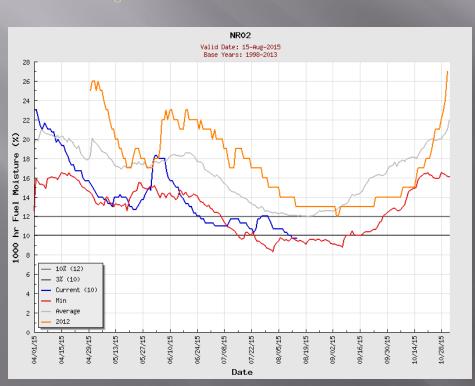
DODGE REACH OKANOGAN COMPLEX 3 WALKER STICKPIN NORTH STAR CANYON CREEK COMPLEX ROUGH 3 GRAVES MOUNTAIN 3 WARM **ELDORADO**

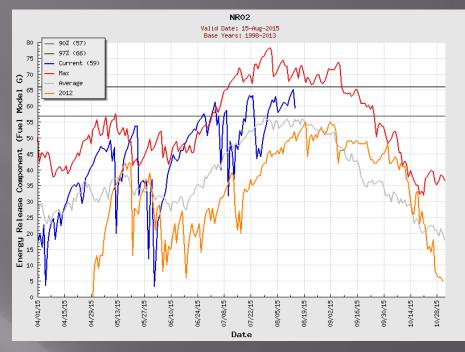
BIG LOST

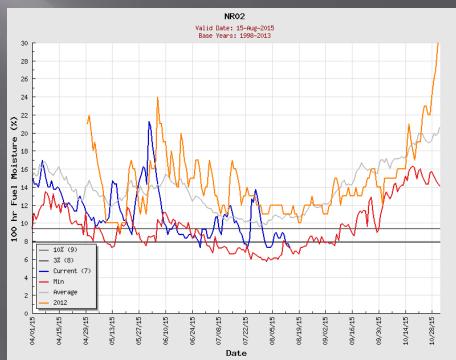
- GOLD HILL 5 EAGLE BAPID W KANIKSU COMPLEX TRUTTER CANYON SODA **MANN** MUNICIPAL COMPLEX TEPEE SPRINGS NOT CREATIVE PARKER RIDGE BELK CITY COMPLEX CLEARWATER COMPLEX WEST SCRIVER MARBLE CREEK NAPOLEON 1 HEAD OF THE RIVER RANCH
- B MELTON 1 56 THOMPSON DIVIDE COMPLEX BOBCAT SCOTCHMANS GULCH MORRELL COMPLEX TRAIL CREEK SUCKER CREEK CABIN CREEK RATTLESNAKE **EUSTIS** TROPHY RIDGE RESERVATION CREEK **SUTTON RANCH WEST FIRE** COX RANCH

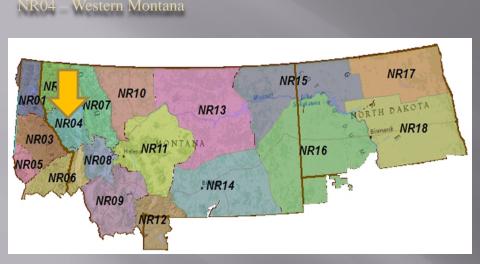
NR02 - Northwestern Montana **NR17** NR15 NR02 NR10 NR07 NORTH DAKOTA **NR13** NR04 Bismarck NR18 NR03 Helen NR11 NTANA NR16 NR08 NR05 .*NR14 NR09

Libby Ranger Station Troy Ranger Station Eureka Ranger Station



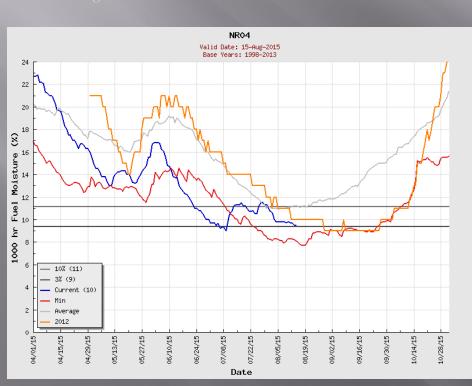


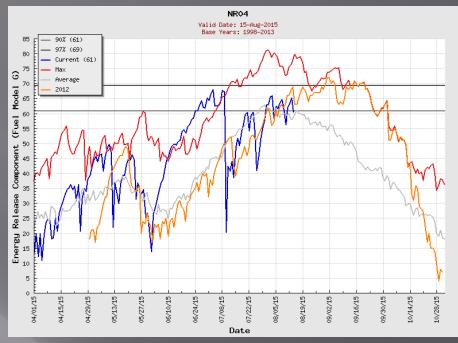


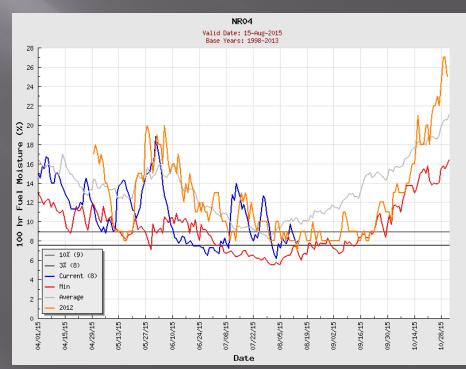




Hot Spring Nine Mile

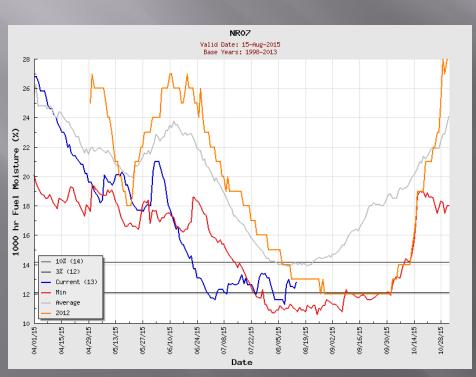




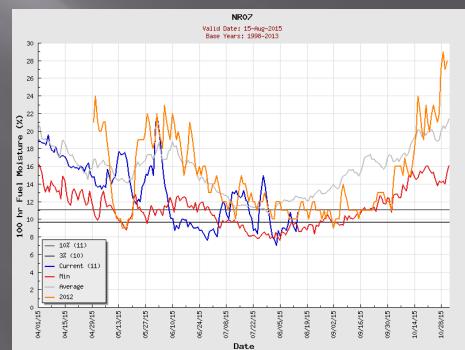


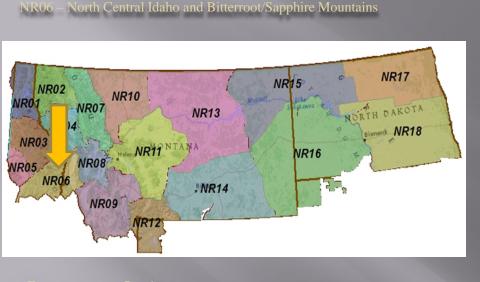


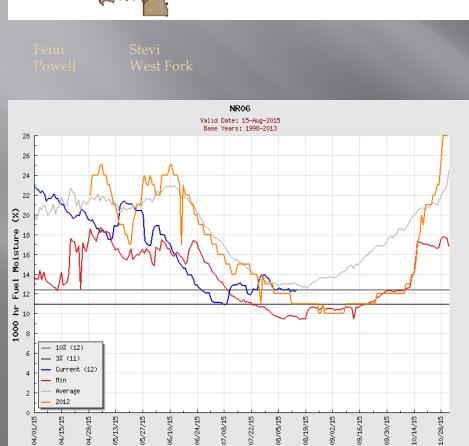
West Glacier Hungry Horse Cyclone Benchmark Condon Work Center





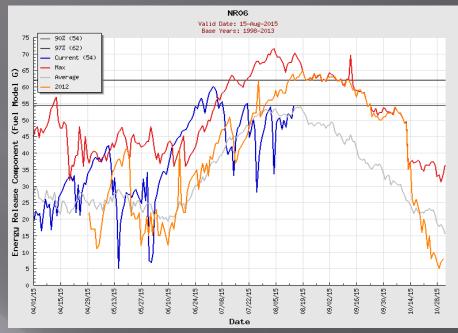


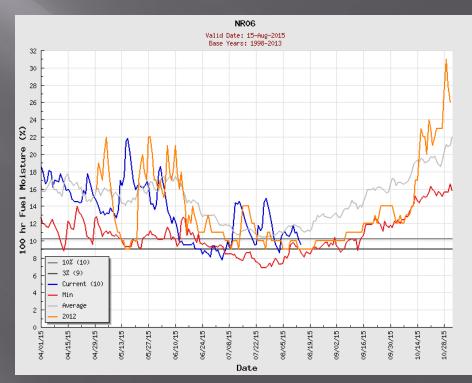


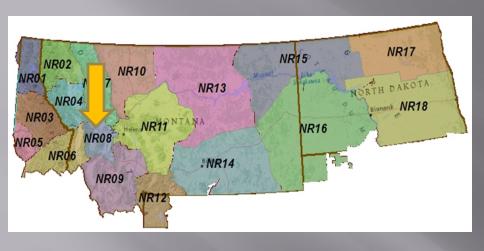


Date

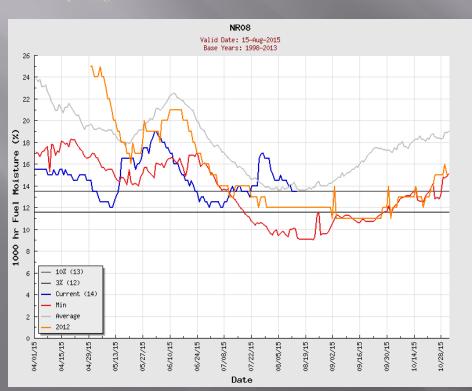
05/27/15

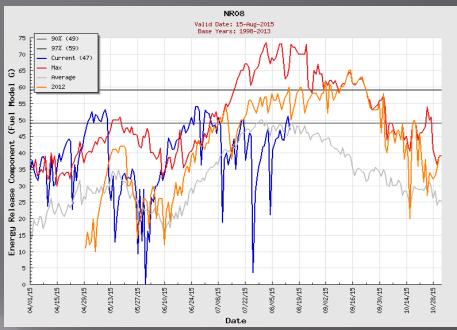


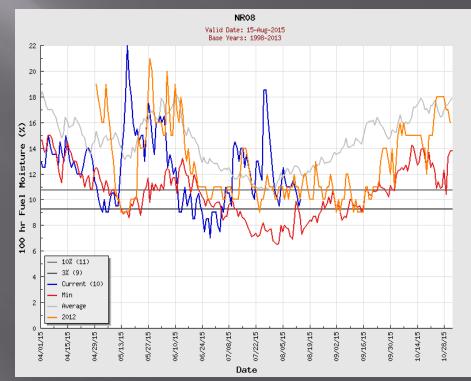


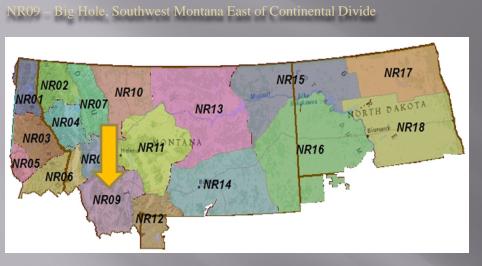


Lincoln Phillipsburg

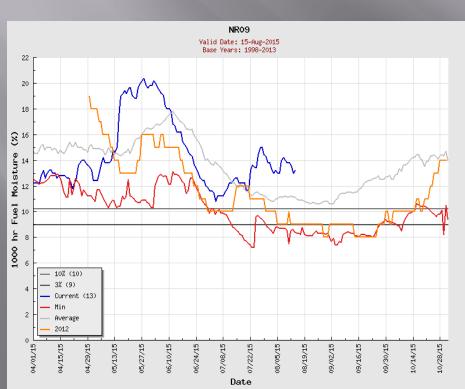


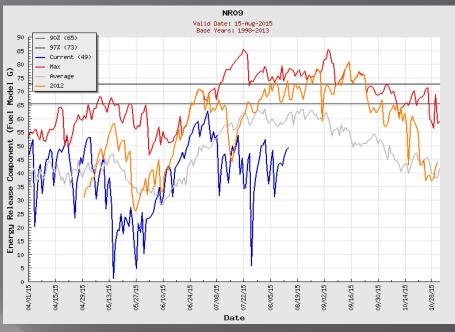


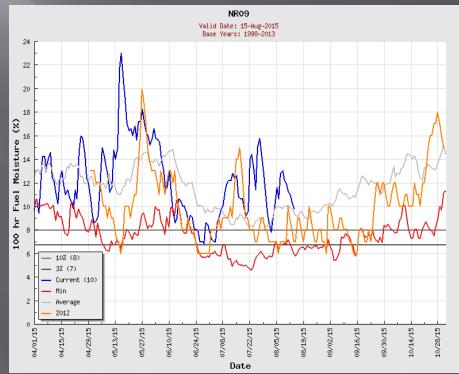


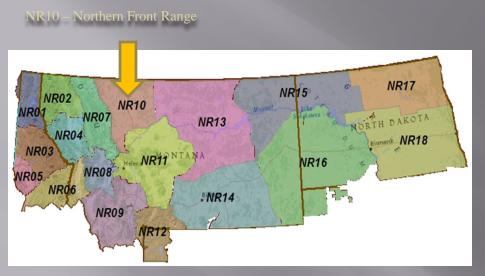




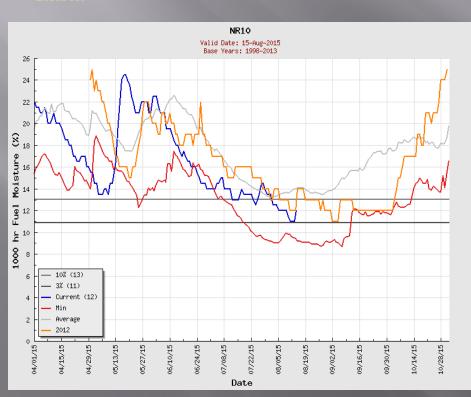


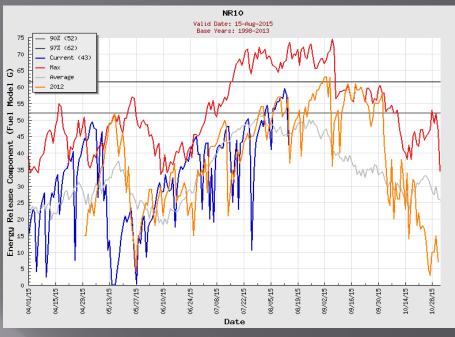


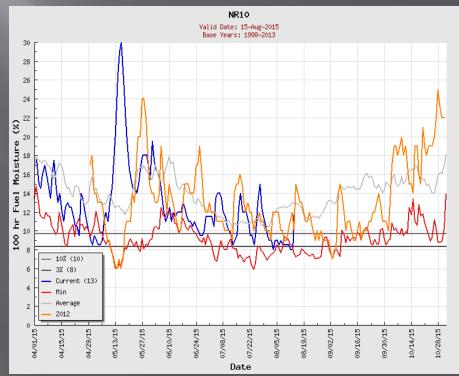


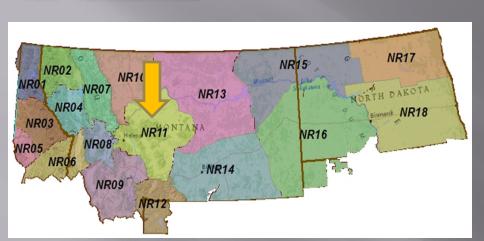


St. Mary Gleason





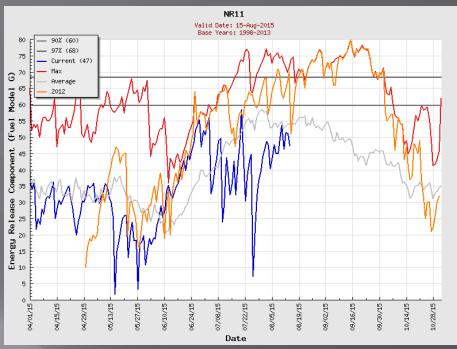


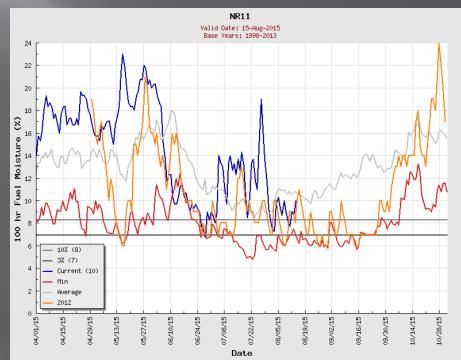


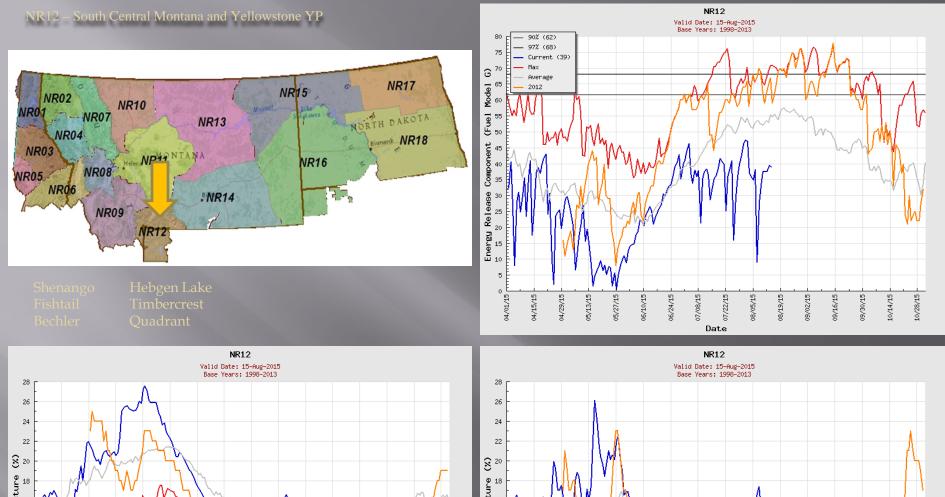
Helena Porphyry White Sulphur Springs

West Central Montana

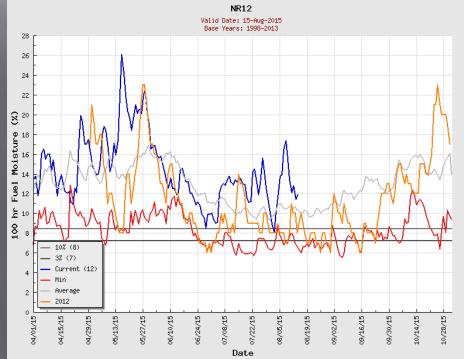


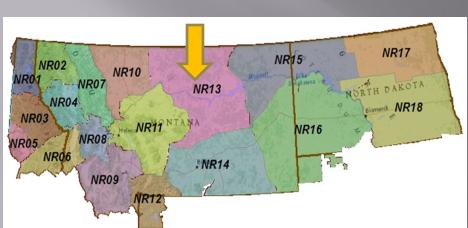






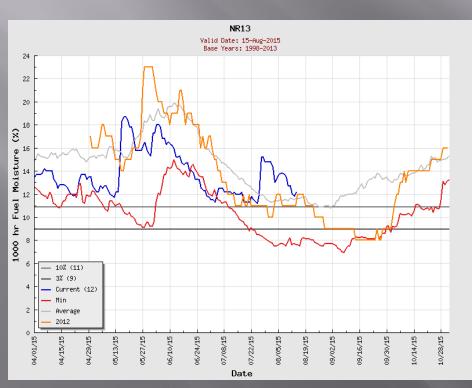


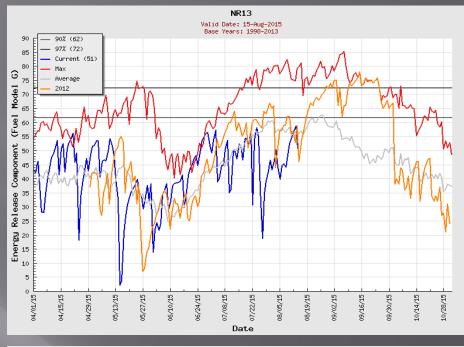


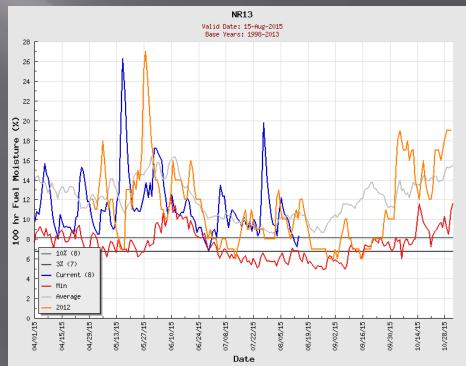


Rocky Boy Little Bullwhacker
Bluff Creek King Coulee
Armells Creek South Sawmill Creek

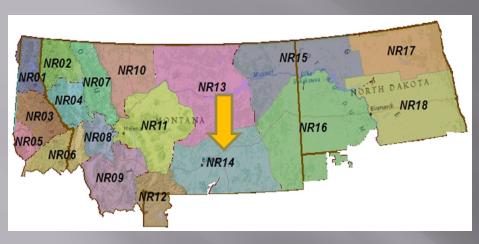
Northern Plains and Missouri Breaks







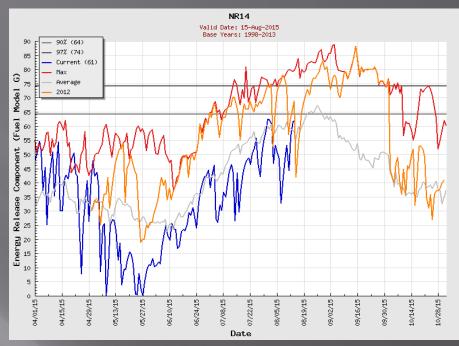
NR14 – Southern Montana (Big Horn/Powder River)

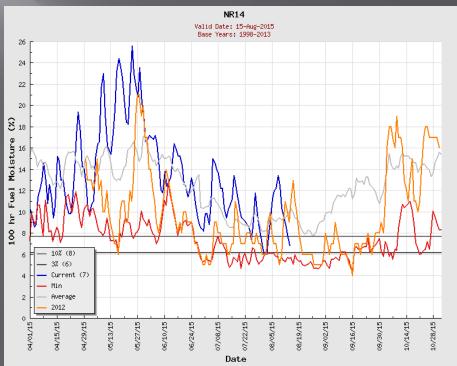


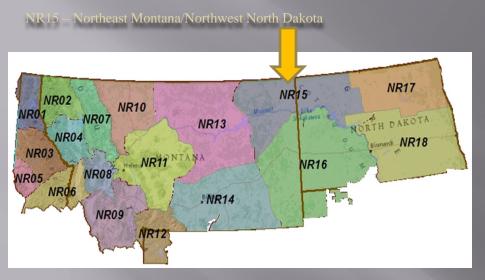
Wolf Mountain Bighorn Mountain Fort Howes

Pryor Mountain Badger Peak

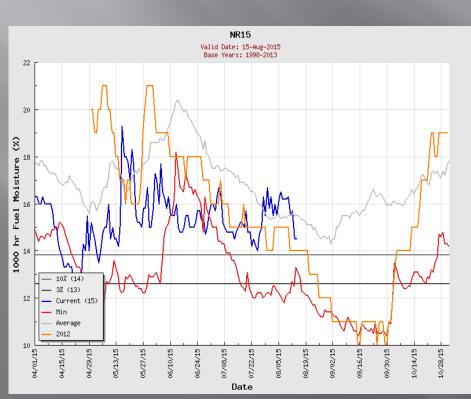


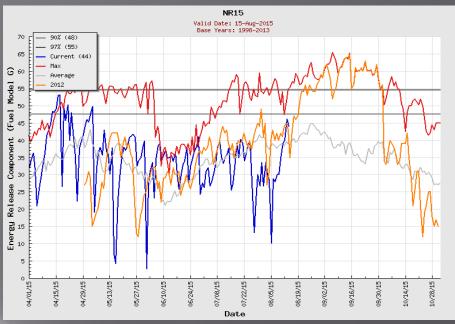


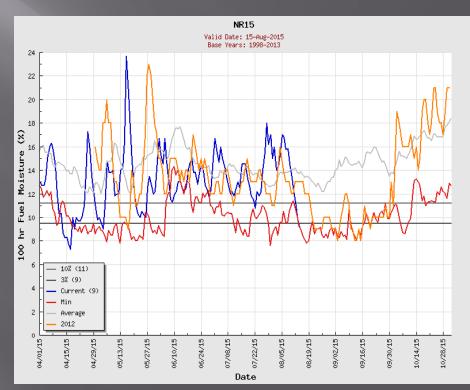


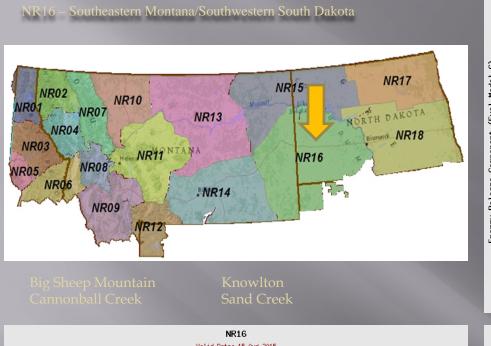


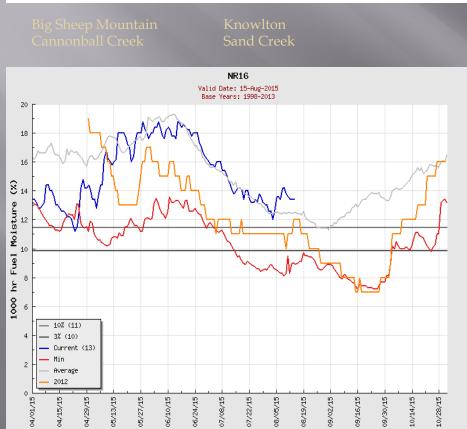




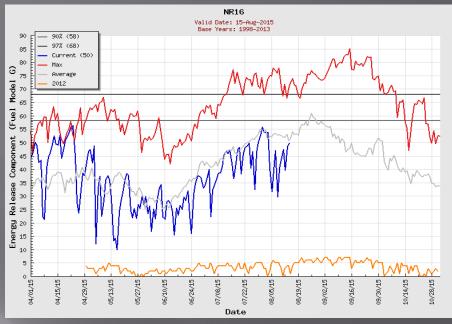


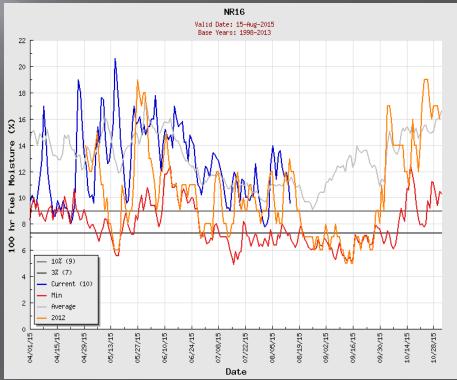






Date

















Through 08/19/2015
309 Fires (direct & county assist)
25648.58 Acres
77 mutual aid incidents (MA)
40 false alarms
426 Incidents (total fires, MA, false alarms)
62% Human, 33% Lightning, 5% Unknown
5-yr average: (on this day)
216 Fires
94268.64 Acres



National GACC Portal

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Wednesday, May 22, 2013

INCIDENT INFORMATION

PREDICTIVE SERVICES

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Fuels/Fire Danger

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LOGISTICS / DISPATCH

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Overhead

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Northern Rockies Coordinating Group

Policy and Reports

Incident Business Management

Safety Management

Software Applications

Training

RELATED LINKS

National

Area

Welcome to the

NORTHERN ROCKIES COORDINATION CENTER

The Northern Rockies Coordination Center (NRCC) is the interagency focal point for coordinating the mobilization of resources for wildland fire and other all-hazard incidents throughout the Northern Rockies Area and, when necessary, for assignment throughout the United States. Located in Missoula, Montana, the Center also provides Intelligence and Predictive Services related products for use by the wildland fire community for purposes of wildland fire and incident management decision-making.

There are five primary components to the NRCC website.

About Us

- Incident Information provides general information on large wildland fires, fire restrictions and closures, and other relevant activity throughout the Geographic Area.
- Predictive Services provides operational products and links to incident situation information, maps, resources, current fire weather conditions, forecasts, fuels, fire behavior as well as daily, weekly and monthly fire weather/fire danger outlooks.
- Logistics/Dispatch provides detailed operation and information links for aviation, crews, equipment and overhead, including Incident Management Teams.
- Administrative provides fire and incident management tools and links including policies and reports, business management, safety, software applications, and training.
- Related Links component provides links to related Internet websites within the Northern Rockies Area and nationally.



BULLETIN BOARD 50



SITUATION

PREPAREDNESS LEVELS Northern Rockies PL: 1 National PL: 1

Situation Reports

Year-to-Date & Historical Wildfire Data

· Restrictions & Closures · · ·

SAFETY ALERTS

NRGA Landscape Mortality Safety Alert NRGA Landscape Mortality Pocket Card

Coal Seam Fires Safety

COOPERATING FEDERAL. STATE AND OTHER AGENCIES IN THE NORTHERN ROCKIES AREA











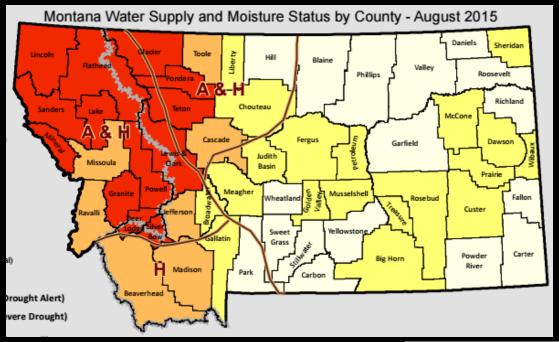


Montana Drought and Water Supply

Status change from July to August 2015 – Assessed 8/18/2015 (All changes one category unless otherwise noted)

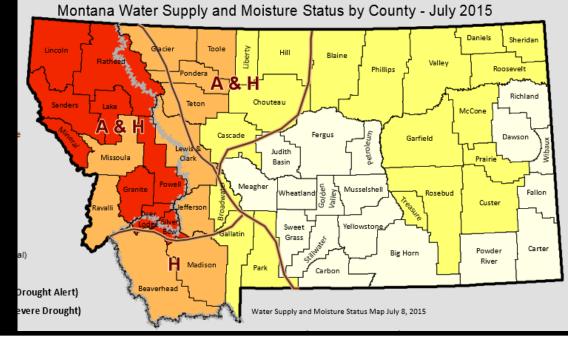
Drier	No Change			Wetter
Glacier	Lincoln	Gallatin	Fallon	Hill
Pondera	Flathead	Jefferson	Prairie	Blaine
Teton	Sanders	Broadwater	McCone	Phillips
Lewis and Clark	Lake	Wheatland	Richland	Valley
Cascade	Mineral	Sweet Grass	Sheridan	Daniels
Meagher	Missoula	Stillwater	Chouteau	Roosevelt
Judith Basin	Powell	Carbon	Liberty	Garfield
Fergus	Ravalli	Yellowstone	Toole	Park
Petroleum	Granite	Treasure		
Golden Valley	Deer Lodge	Rosebud		
Musselshell	Silver Bow	Custer		
Big Horn	Beaverhead	Powder River		
Dawson	Madison	Carter		
Wibaux				





Montana Drought Status August 2015 vs. July 2015





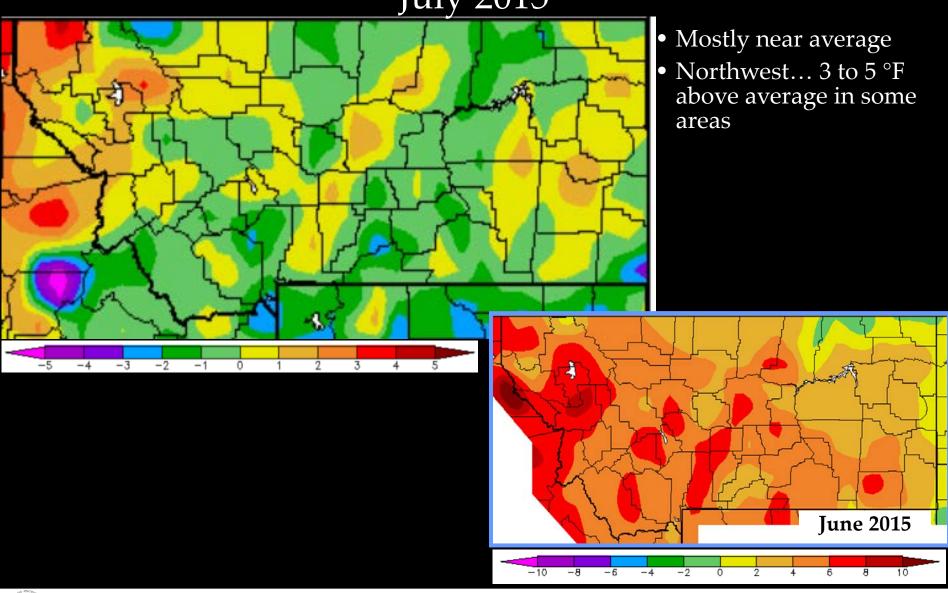


Montana Drought & Water Supply Advisory Committee

August 20, 2015 National Weather Service Gina Loss – Service Hydrologist

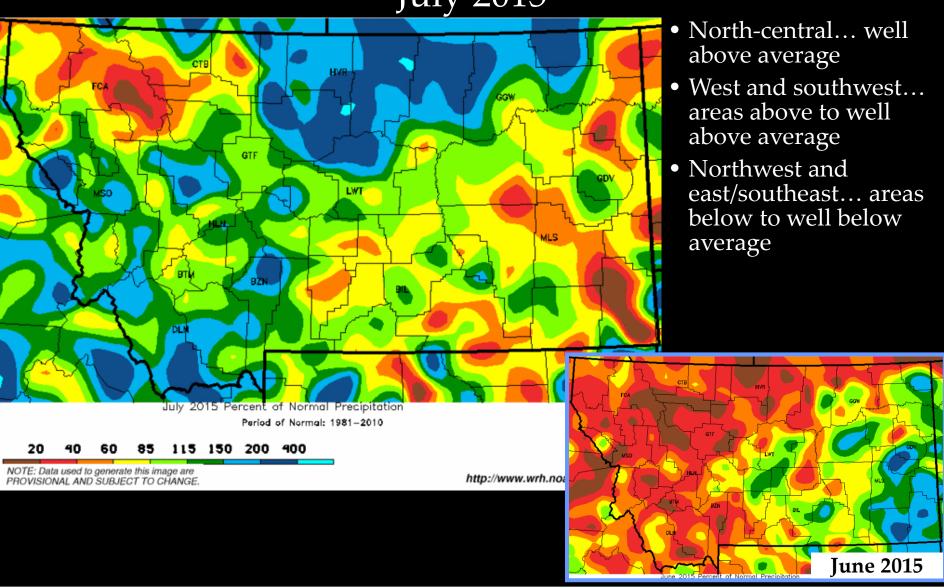


Departure from Average Temperature July 2015

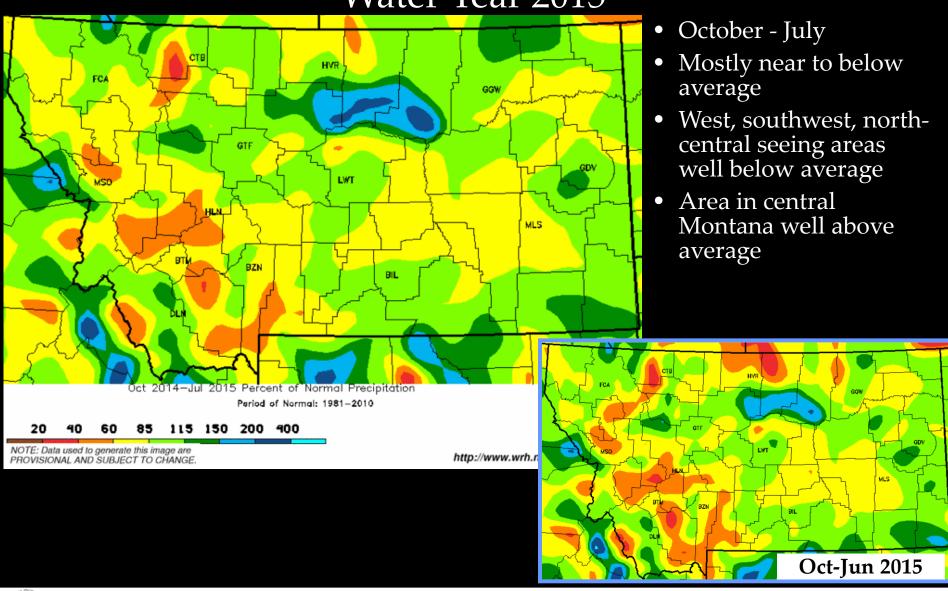


Percent of Average Precipitation

July 2015

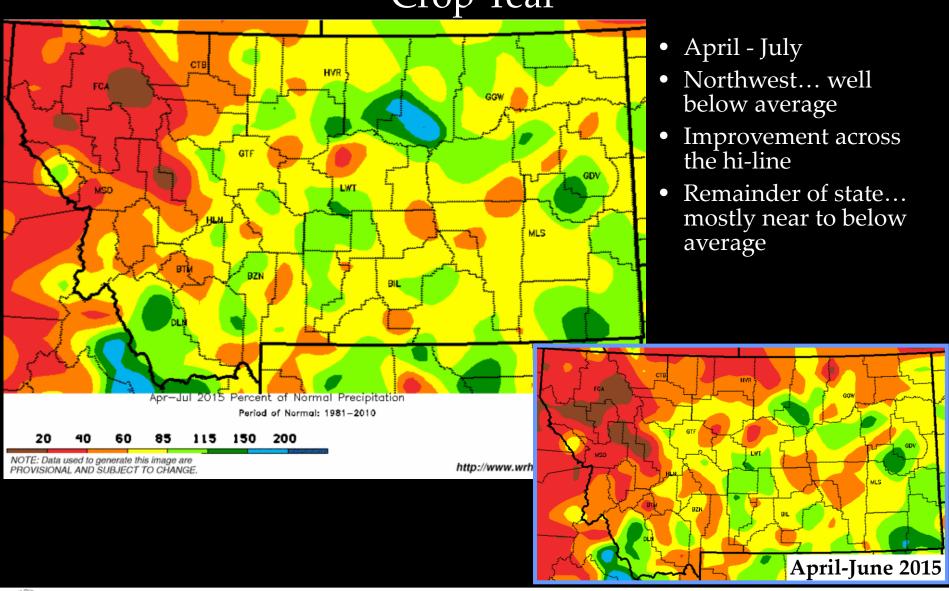


Percent of Normal Precipitation Water Year 2015





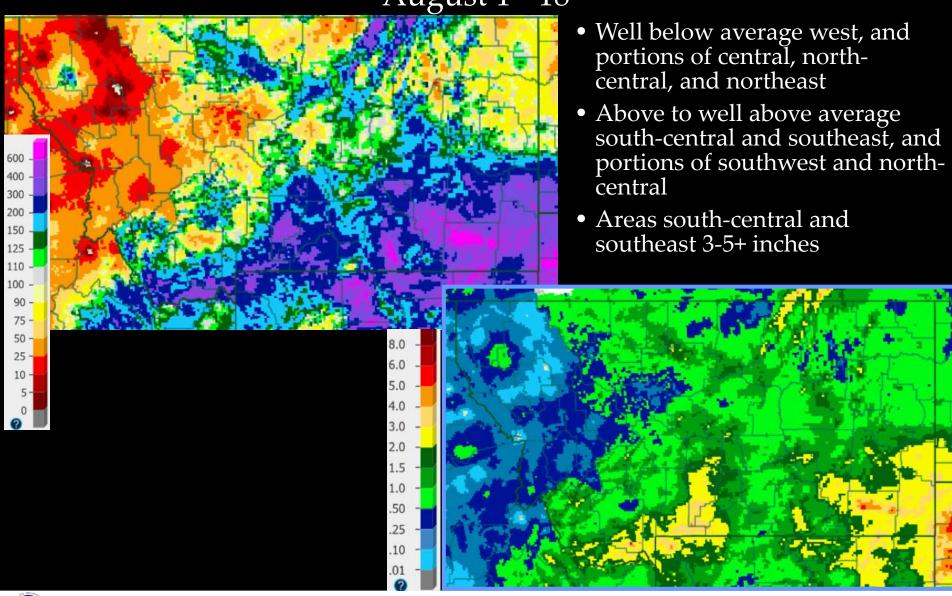
Percent of Normal Precipitation
Crop Year





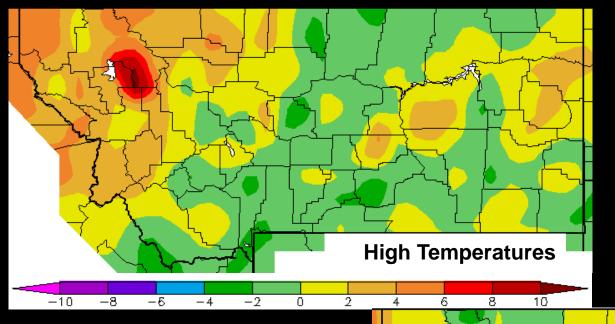
Percent of Average and Total Precipitation

August 1 - 18

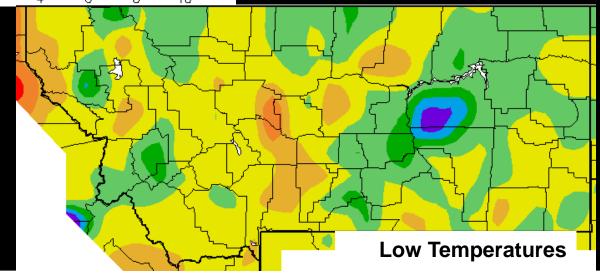




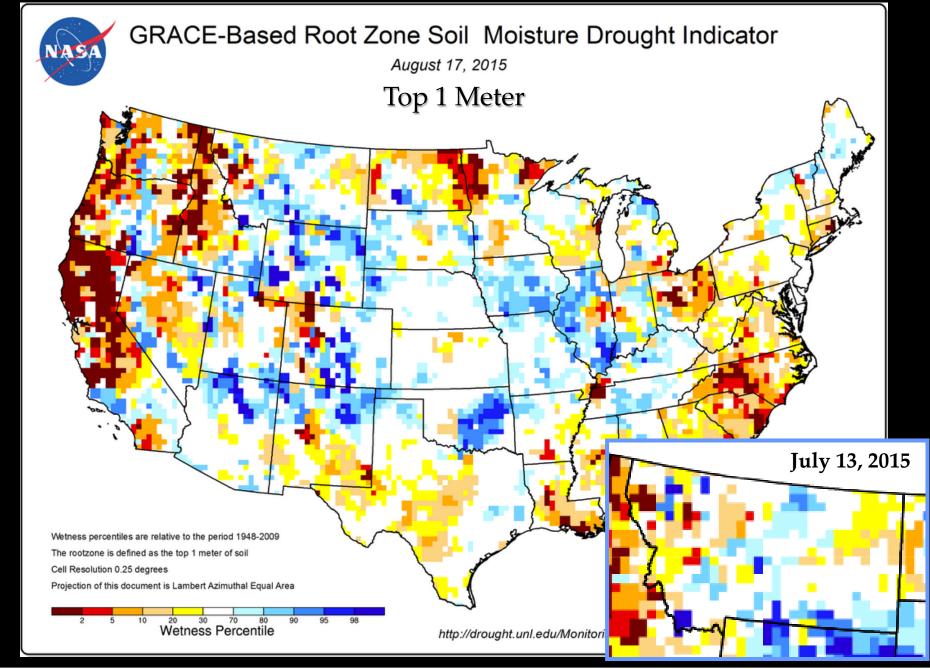
Departure from Average Temperatures August 1-18



- High temperatures mostly near average
 - Areas northwest 4-10 °F above normal
- Lows temperatures mostly near average
 - Area central 4-8 °F below normal

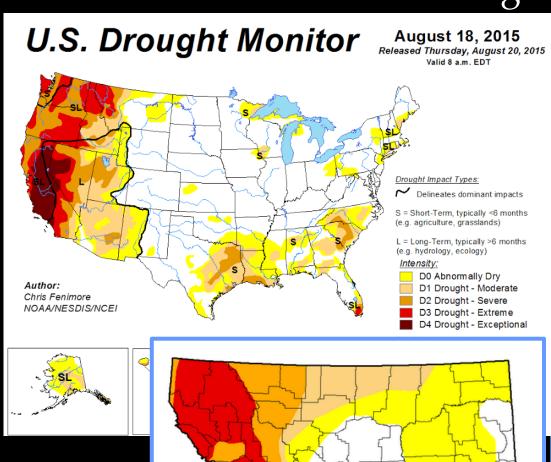




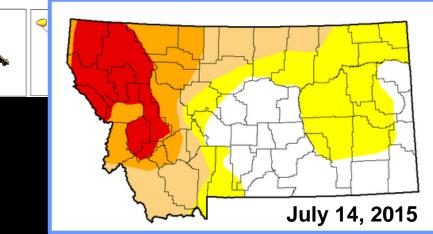


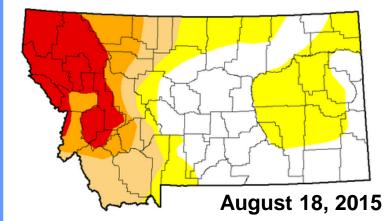


National Drought Monitor Issued August 18



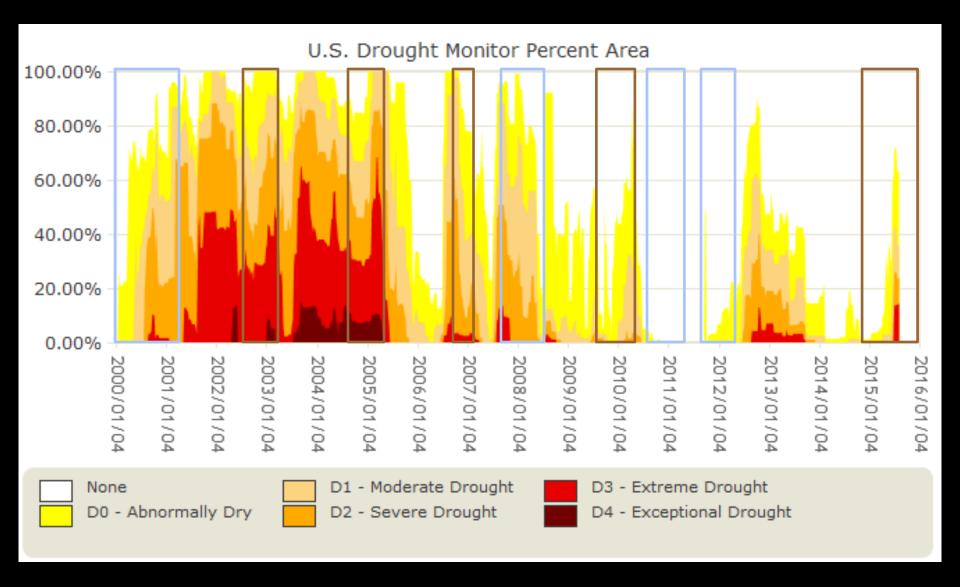
• Some improvement in D0 – Abnormally Dry, and D1 – Moderate Drought areas in north-central Montana





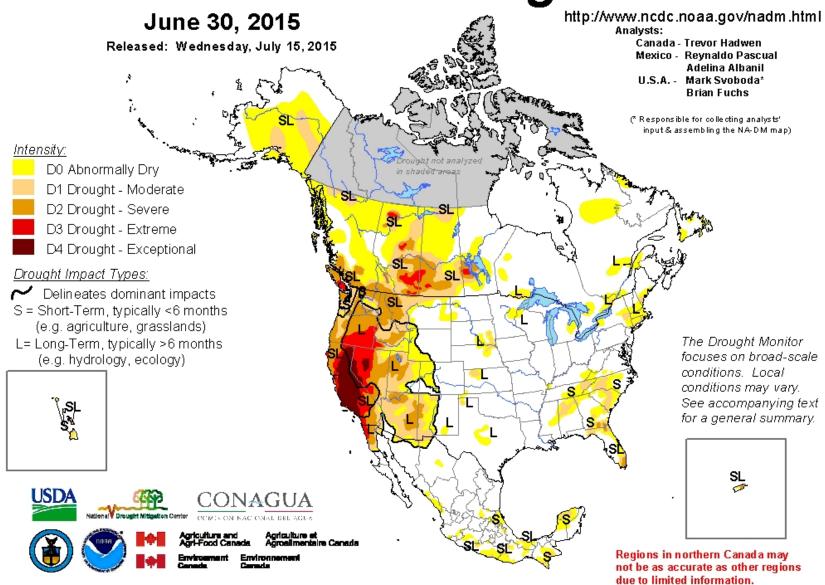


History of Drought Monitor Status for Montana





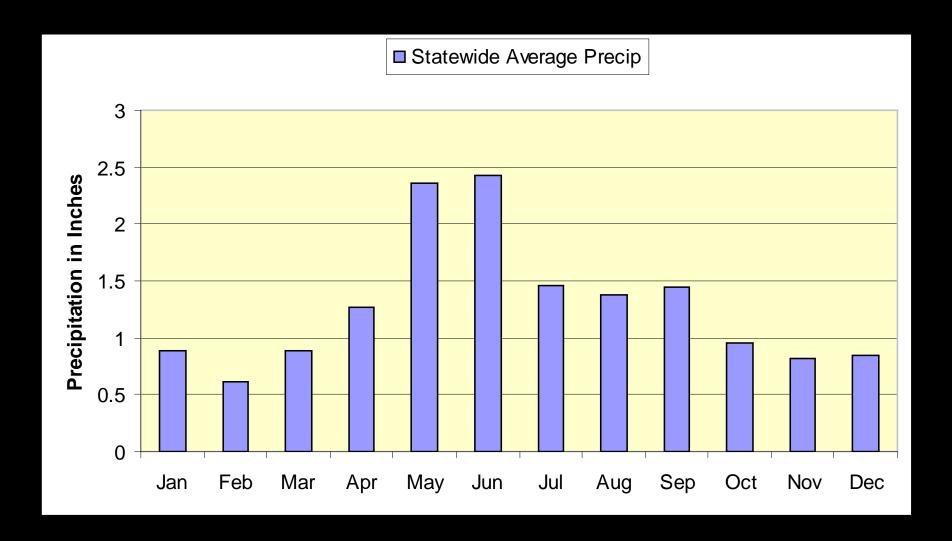
North American Drought Monitor





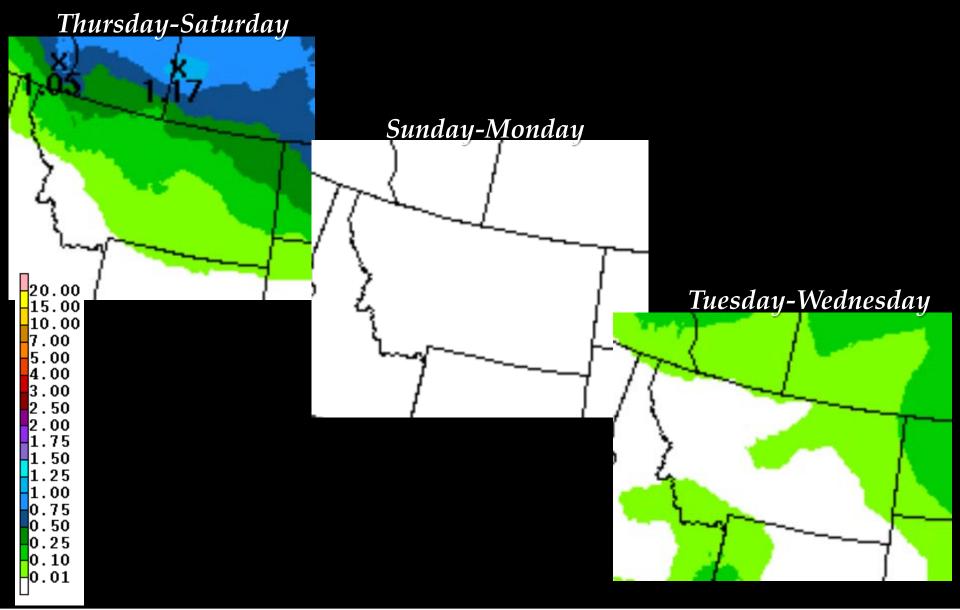
Statewide Average Precipitation

August/September last of the wetter months of year



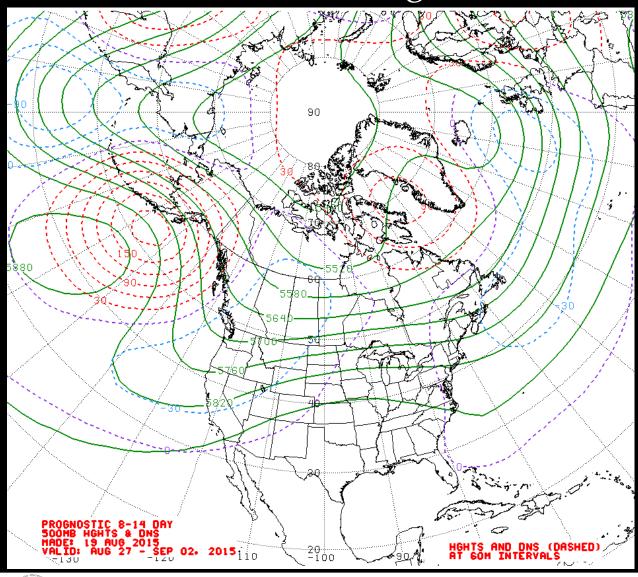


7-Day Precipitation Forecast





8 to 14 Day Outlook 500mb Heights and Anomalies



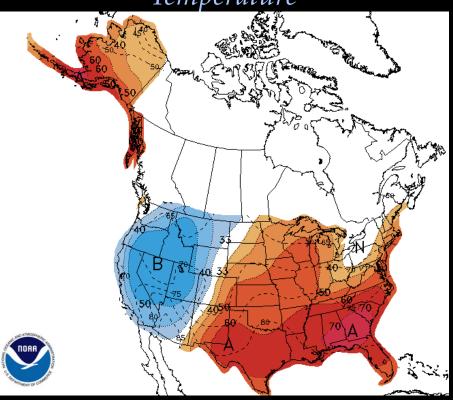
- August 27 –September 2
- Low pressure trough over west



8 to 14 Day Outlook

August 27 – September 2

Temperature



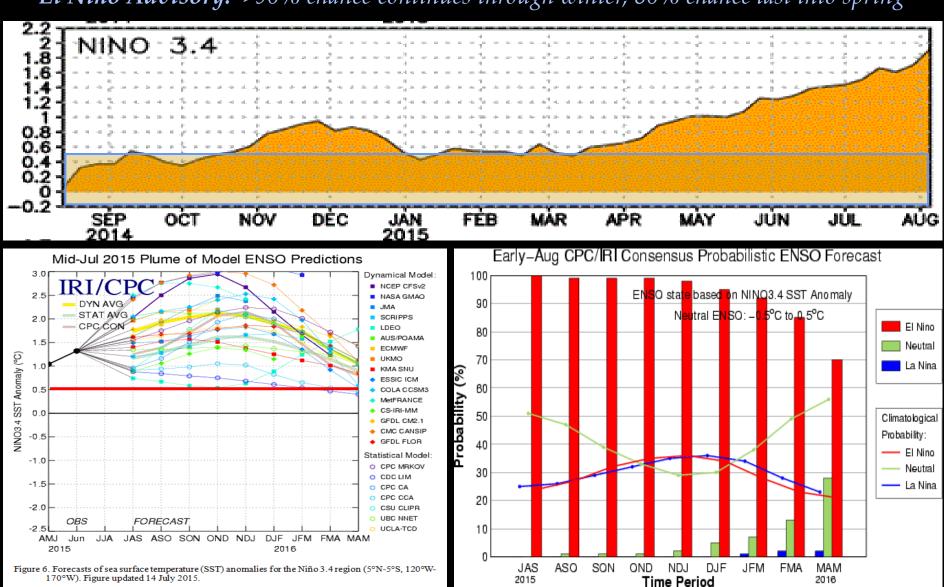
• 33% to 60% chance temperatures will average below normal across Montana Precipitation

• 40% to 50% chance precipitation will average above normal across Montana



El Niño / La Niña

El Niño Advisory: >90% chance continues through winter, 80% chance last into spring



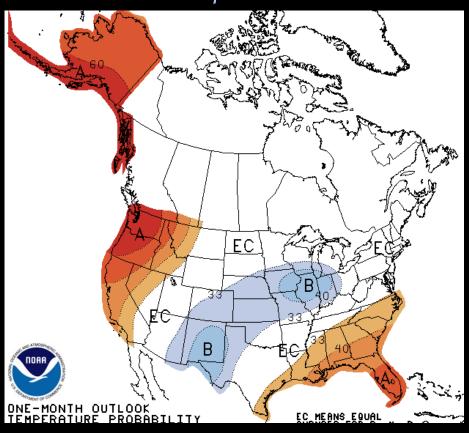


September Outlook

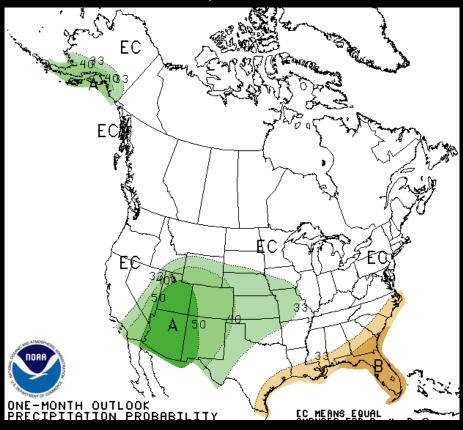
Updated August 20

Temperature

Precipitation



• 33% to 60% chance temperatures will average above normal over west and portions of central Montana



• Equal chances precipitation will average above, below, or near normal across Montana



October – December Outlook

Updated August 20

Temperature

THREE-MONTH OUTLOOK
PRECIPITATION PROBABILITY

• 33% to 50% chance temperatures will average above normal across Montana

EC_MEANS_EQUAL

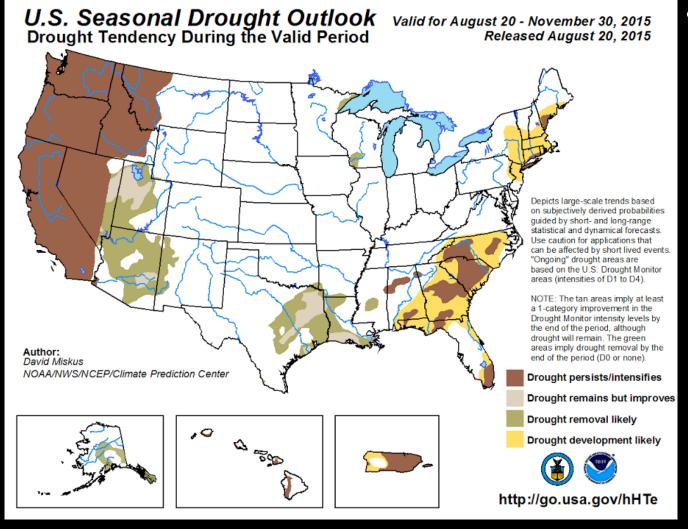
• 33% to 50% chance precipitation will average below normal across most of Montana

Precipitation



THREE-MONTH OUTLOOK TEMPERATURE PROBABIL

Drought Outlook through November Issued August 20



Those areas currently in drought status (D1 – D3) expected to persist or intensify



In Summary...

- For July, precipitation was above to well above average in portions of southwest, central and north-central
 - Northwest and east/southeast saw areas below to well below average
- After above average temperatures in June, July brought near average temperatures to most of the state
 - Areas northwest still above average
- El Niño continues to strengthened, and likely it will persist into spring 2016
- Drought Outlook continues to show those areas of drought in Montana expected to persist or intensify through November

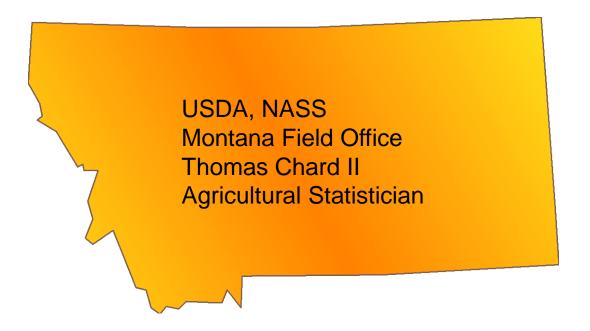


weather.gov

weather.gov/billings weather.gov/glasgow weather.gov/missoula weather.gov/greatfalls



Montana Drought & Water Supply Advisory Committee



Winter Wheat August 1 Montana Production Forecast

Total Production

- > 94.3 million bushels
- Up 3 percent from last year due higher harvested acreage

Yield

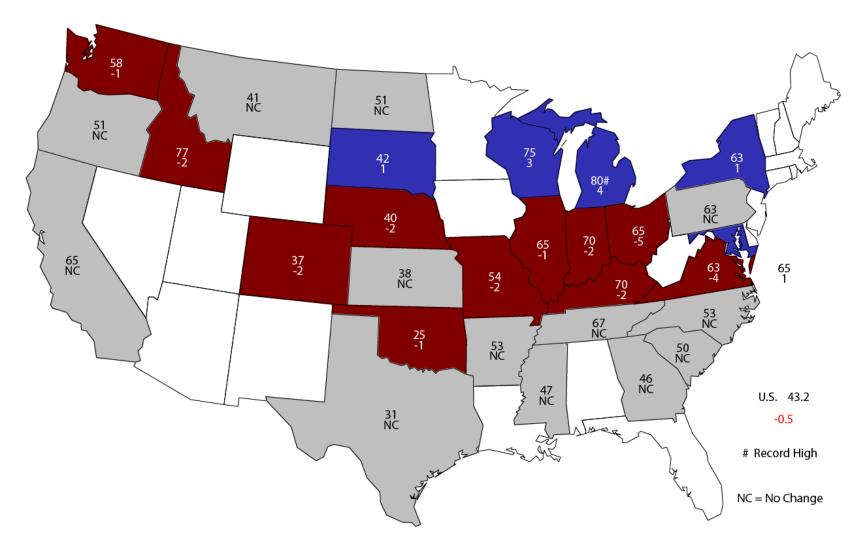
- Yield forecast is 41.0 bushels per acre
- Unchanged from July 1 forecast and last year







Bushels and Change From Previous Month



Spring Wheat August 1 Montana Production Forecast

Total Production

- > 85.25 million bushels
- Down 18 percent from last year due to lower acreage and yield

Yield

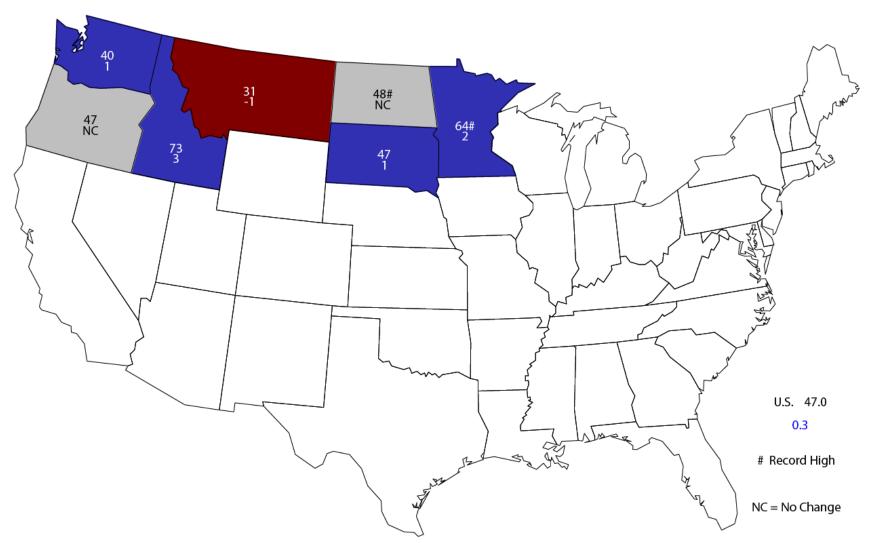
- > 31.0 bushels per acre
- Down 1 bushel from July 1 forecast
- Down 4 bushels from last year



August 1, 2015 Other Spring Wheat Yield



Bushels and Change From Previous Month



Durum Wheat August 1 Montana Production Forecast

Total Production

- > 17.98 million bushels
- Up 35 percent from last year due to higher acreage

Yield

- > 29.0 bushels per acre
- ➤ Up 2 bushels from July 1 forecast
- Down 2 from last year

Barley August 1 Montana Production Forecast

Total Production

- > 47.30 million bushels
- Up 6 percent from last year due to higher yield and higher acreage

Yield

- > 55.0 bushels per acre
- Up 2 bushels from July 1 forecast
- Down 3 bushels from last year

August 1, 2015 Montana Crop Production

Сгор	Unit	Unit Aug '15	
Alfalfa Hay			
Harvested	(000) Ac	1,900	+3
Yield	Tons	1.8	-14
Production	(000)Tons	3,420	-12
Other Hay			
Harvested	(000) Ac	900	+2
Yield	Tons	1.9	+12
Production	(000)Tons	1,710	+14

August 1, 2015 Montana Crop Production

Сгор	Unit	Unit Aug '15	
Dry Beans			
Harvested	(000) Ac	45	+22
Yield	Lbs	1,800	+10
Production	(000)Cwt	810	+34
Sugarbeets			
Harvested	(000) Ac	43.8	-1
Yield	Tons	30.6	-5
Production	(000)Tons	1,340	-7

Crop Weather Report Week Ending August 16, 2015

- ➤ Hot weather during the week with isolated thunderstorms.
- ➤ Topsoil and subsoil moisture conditions are lower than last year and 5 year average.
- ➤ Harvest progress continues to be ahead of last year and 5 year average.
- Summer range and pasture conditions lower than last year and the five-year average

Topsoil Moisture Week Ending August 16, 2015

	This week	Last week	Last year	5-yr Avg
Very short	15%	13%	13%	15%
Short	38%	38%	39%	38%
Adequate	40%	41%	43%	44%
Surplus	7%	8%	5%	3%

Adequate and surplus condition is 47 percent. Below last year, but equal to the 5 year average

Subsoil Moisture Week Ending August 16, 2015

	This week	Last week	Last	5-yr Avg
	WEEK	WEEK	year	Avg
Very short	14%	13%	9%	13%
Short	38%	38%	41%	33%
Adequate	39%	40%	46%	52%
Surplus	9%	9%	4%	2%

Adequate and surplus condition is 48 percent. Below the 5 year average and last year.

Crop Progress Percent Week Ending August 16, 2015

	This week	Last week	Last year	5-yr Avg
Winter Wheat				
harvested	92%	84%	83%	70%
Spring Wheat				
harvested	43%	29%	21%	19%

Spring Wheat Crop Condition Week Ending August 16, 2015

	Very poor	Poor	Fair	Good	Excellent
This week	4%	8%	33%	46%	9%
Last week	4%	8%	34%	45%	9%
Last year	1%	4%	38%	48%	9%
5-yr Avg	3%	7%	30%	49%	11%

Good and excellent condition is 55 percent. Below the 5 year average and last year.

Crop Progress Percent Week Ending August 16, 2015

	This week	Last week	Last year	5-yr Avg
Durum Wheat				
harvested	19%	12%	2%	11%
Barley				
harvested	62%	48%	36%	30%

Barley Crop Condition Week Ending August 16, 2015

	Very poor	Poor	Fair	Good	Excellent
This		100/	2.40/	440/	110/
week Last	4%	10%	34%	41%	11%
week	4%	10%	34%	41%	11%
Last year	0	4%	41%	43%	12%
5-yr Avg	3%	7%	32%	44%	14%

Good and excellent condition is 52 percent. Below the 5 year average and last year.

Hay – Second Cutting Week Ending August 16, 2015

	This week	Last week	Last year	5-yr Avg
Alfalfa				
Second Cutting	66%	51%	55%	52%
Other Hay				
Second Cutting	50%	36%	42%	40%

Range & Pasture Condition Percent Week Ending August 16, 2015

	Very poor- poor	Fair	Good	Excellent
	poor			
This week	31%	45%	21%	3%
Last week	31%	44%	22%	3%
Last year	20%	36%	36%	8%
5-yr Avg	22%	29%	37%	12%

Good and excellent condition is 24 percent. Below the 5 year average and last year.

Summary Week Ending August 16, 2015

- Winter wheat harvest is wrapping up.
- Spring small grain and pulse crop harvest is underway or well underway.
- > The second cutting of hay is well underway.
- Soil moisture and range conditions are down from last year.
- ➤ The final Small Grains Summary will be released September 30, 2015.

USDA, NASS, Mountain Region: Montana Field Office

Thomas Chard II, Statistician

1-800-835-2612 or 406-441-1240

Email: nass-mt@nass.usda.gov

Montana Data available at following address:

http://www.nass.usda.gov/Statistics_by_State/Montana/index.asp

http://www.nrcs.usda.gov/wps/portal/nrcs/main/mt/snow/



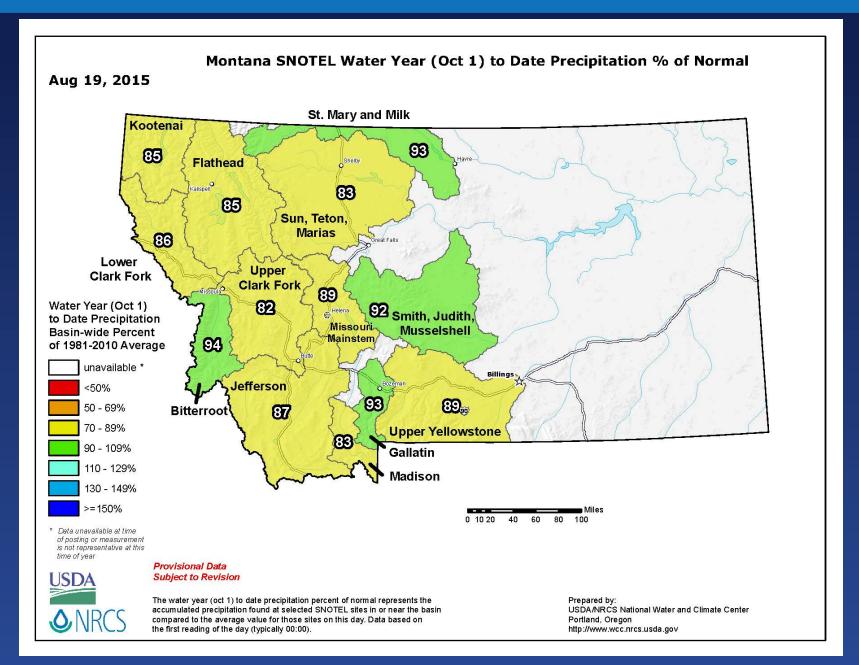


Photo: Looking up the South Fork of the Flathead from Desert Mountain. July 28th, 2015. Lucas Zukiewicz

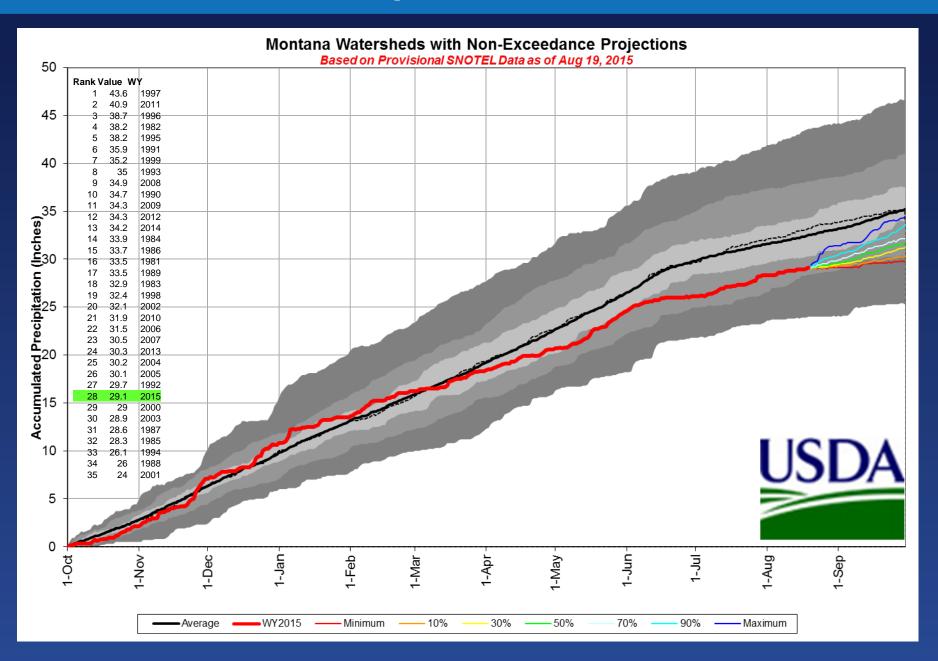


Precipitation

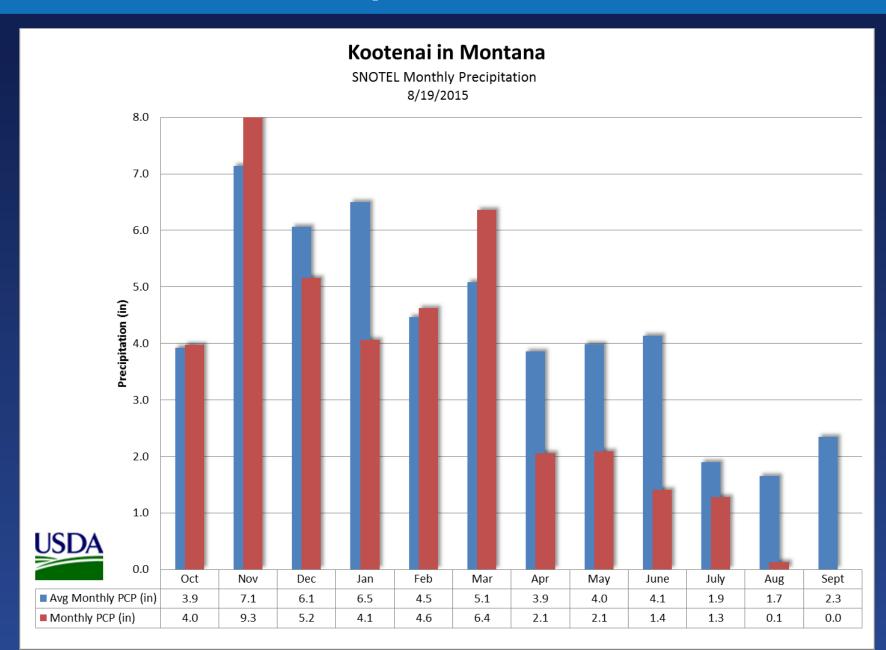




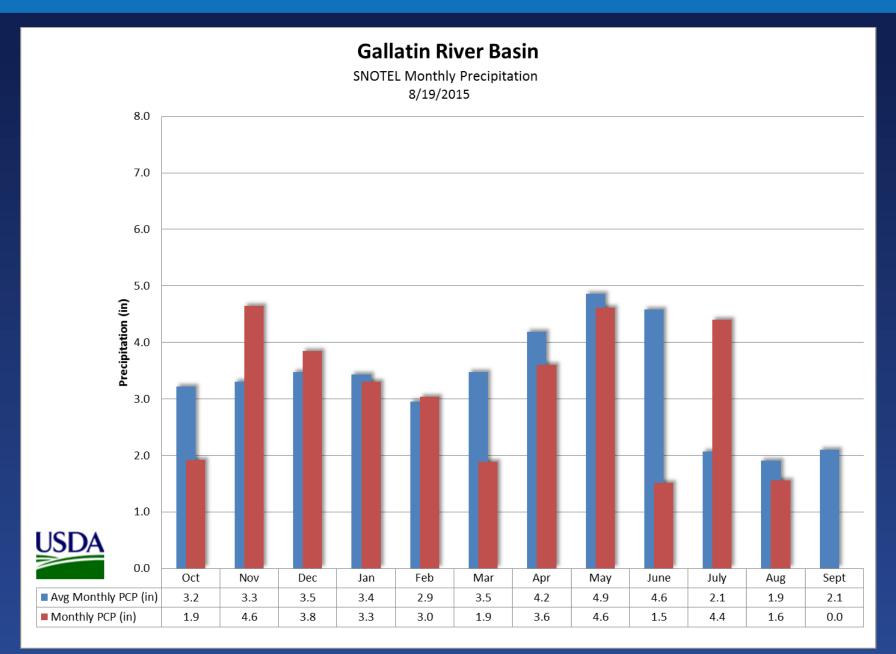






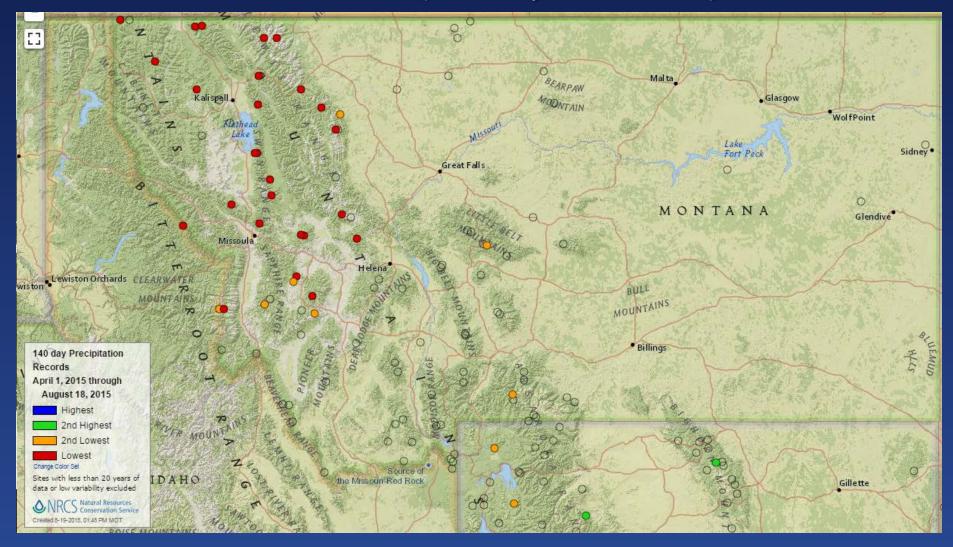




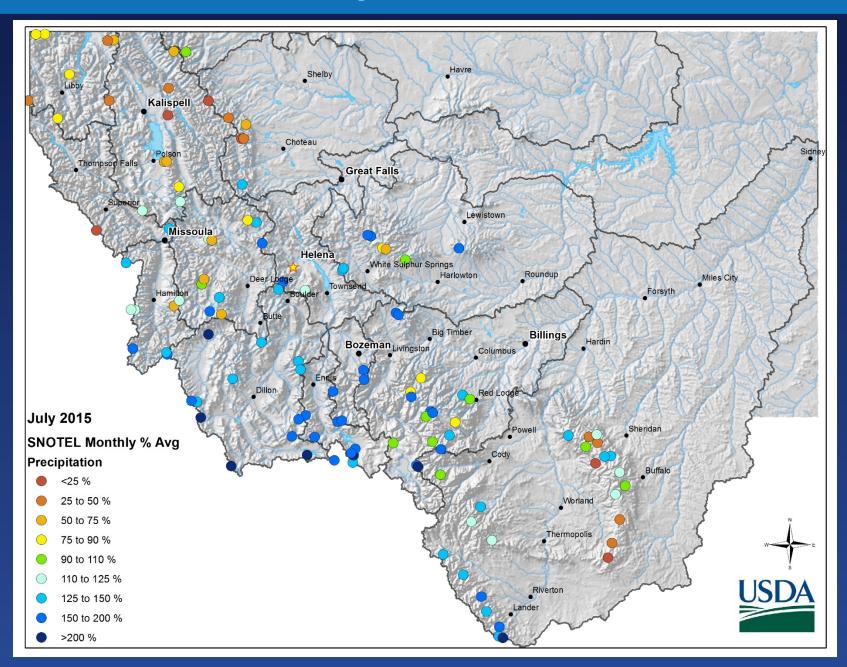




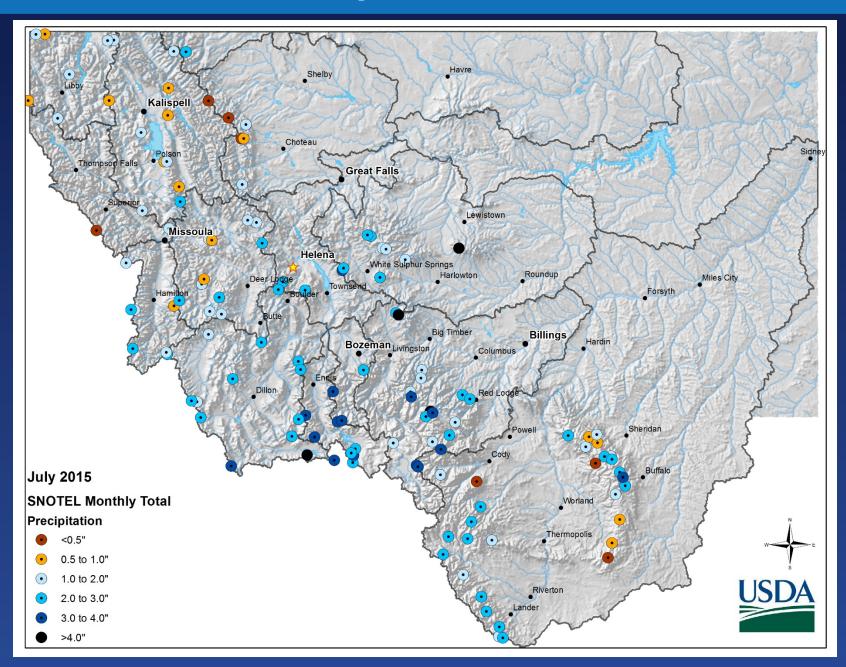
April 1st – August 19th, 2015 Record Low Precipitation SNOTEL Sites (22 to 37 years of record)



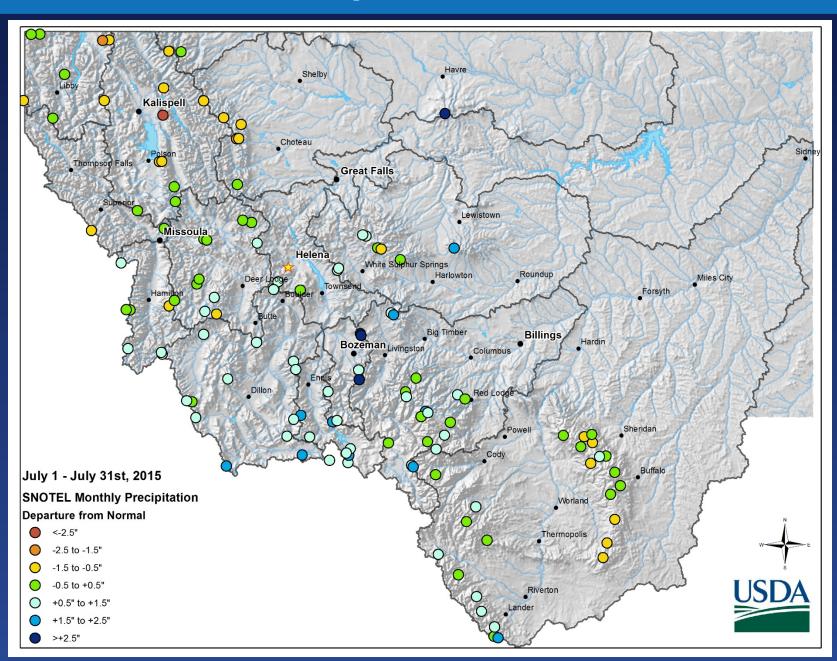




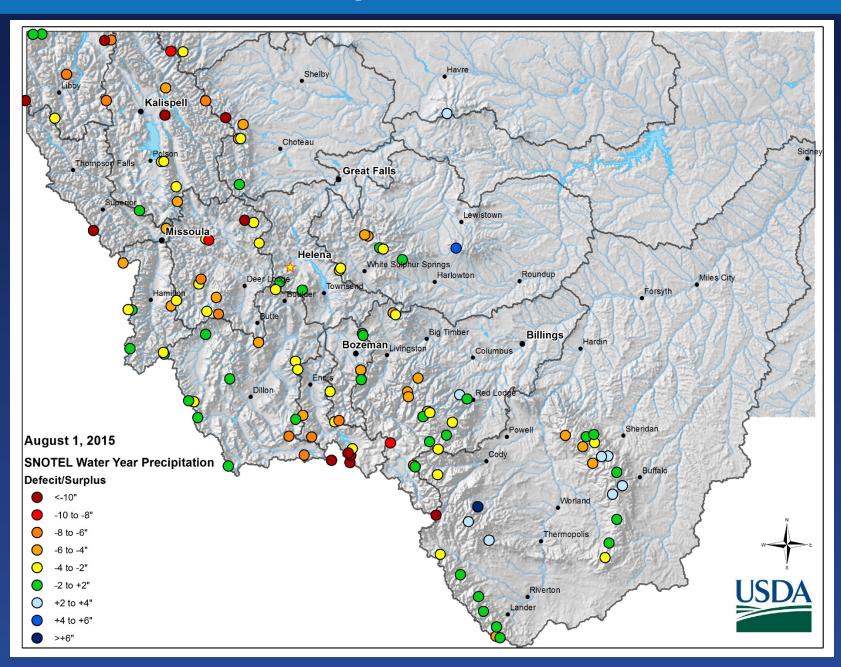




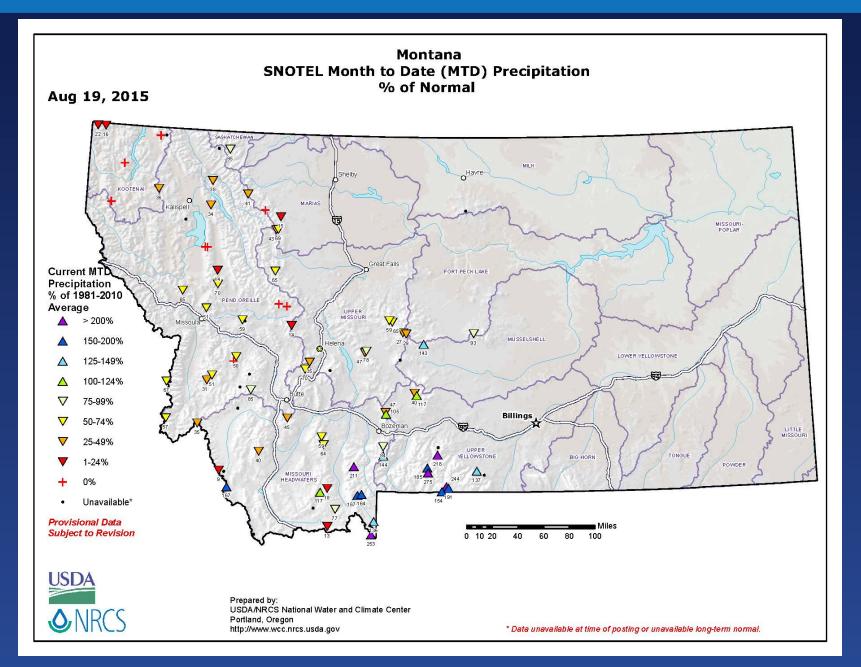




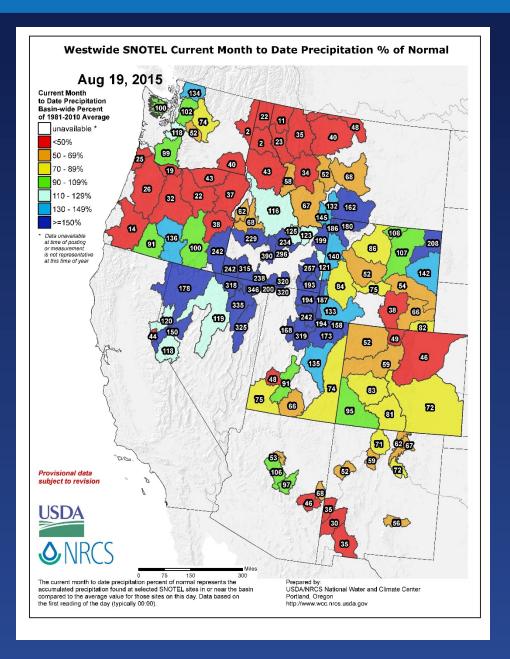








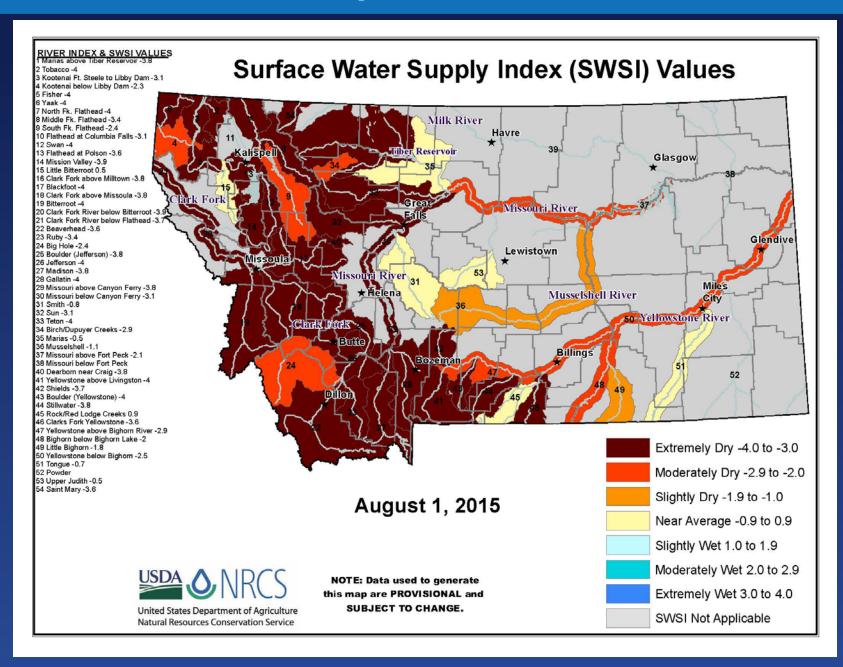






Surface Water Supply Indices

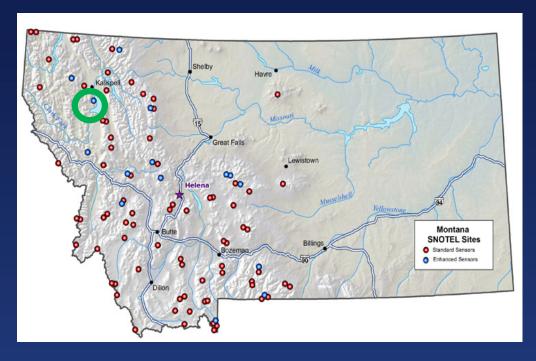


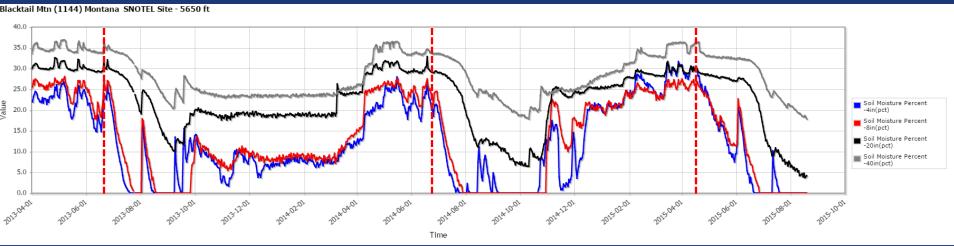




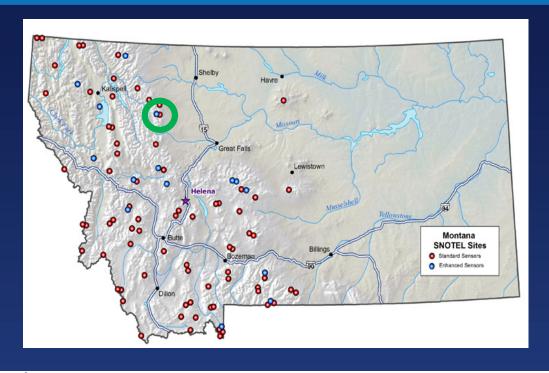
Soil Moisture

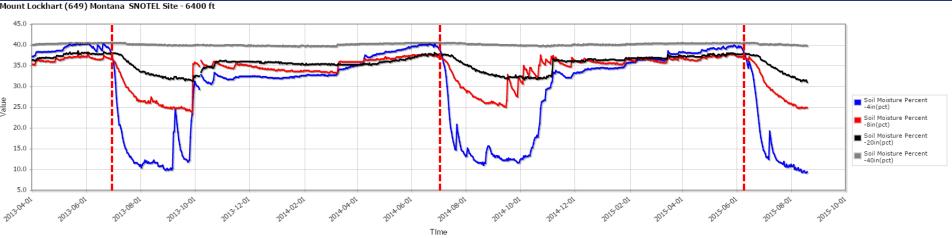




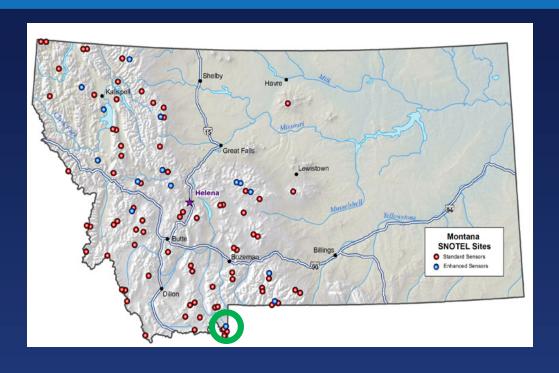




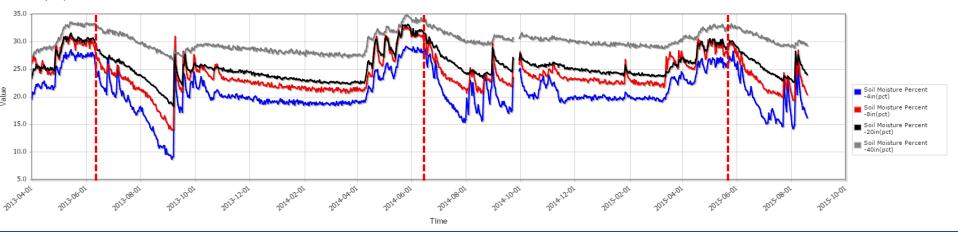








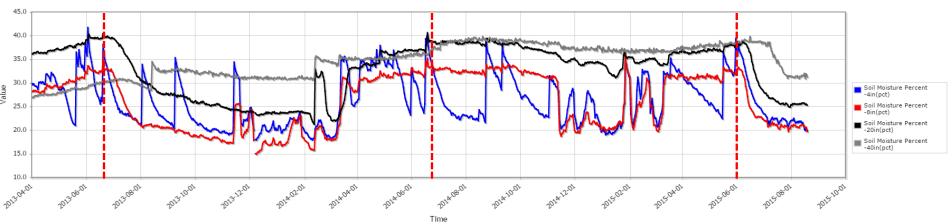






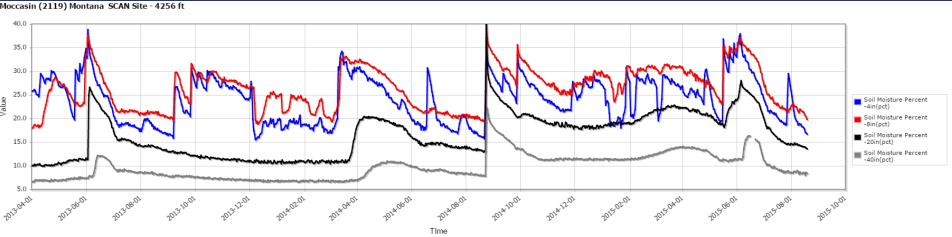








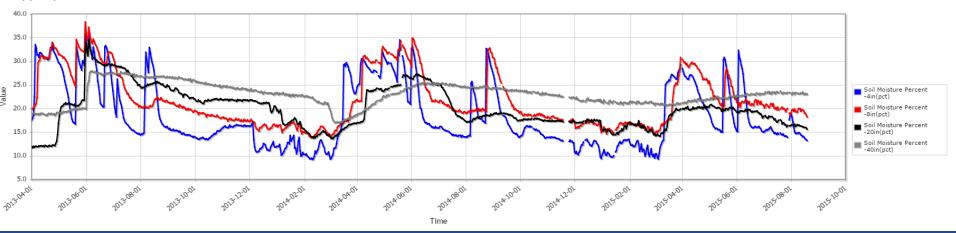














'Godzilla' El Nino May Be on the Way

Aug 14, 2015, 4:13 PM ET

By: MELISSA GRIFFIN AND MAX GOLEMBO via GOOD MORNING AMERICA



AUTO START: ON OFF

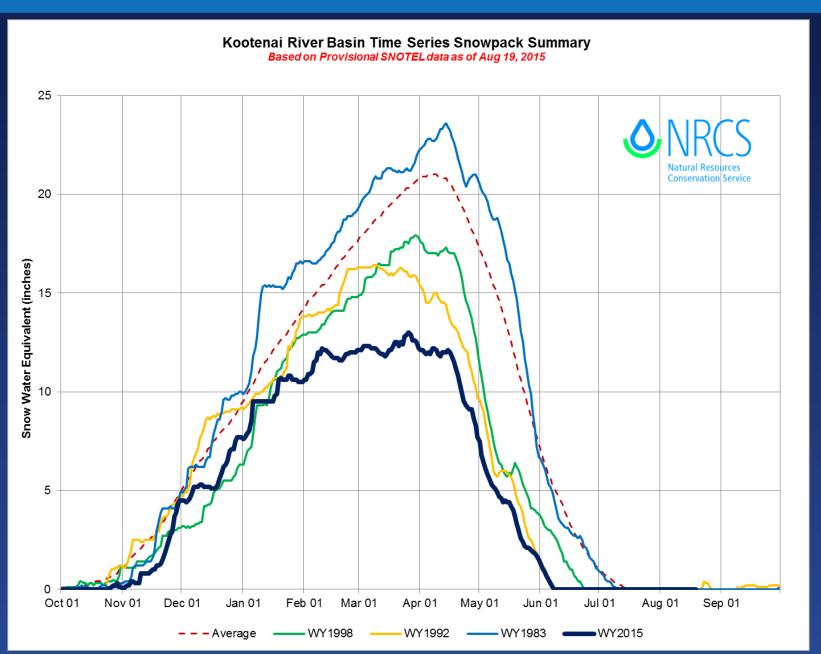
So, what exactly is a "Godzilla" El Niño?

Actually, it's just a clever joke by a **NASA** climatologist: "This definitely has the potential of being the Godzilla El Niño," Bill Patzert of the NASA Jet Propulsion Laboratory in La Cañada Flintridge, California, said Thursday.

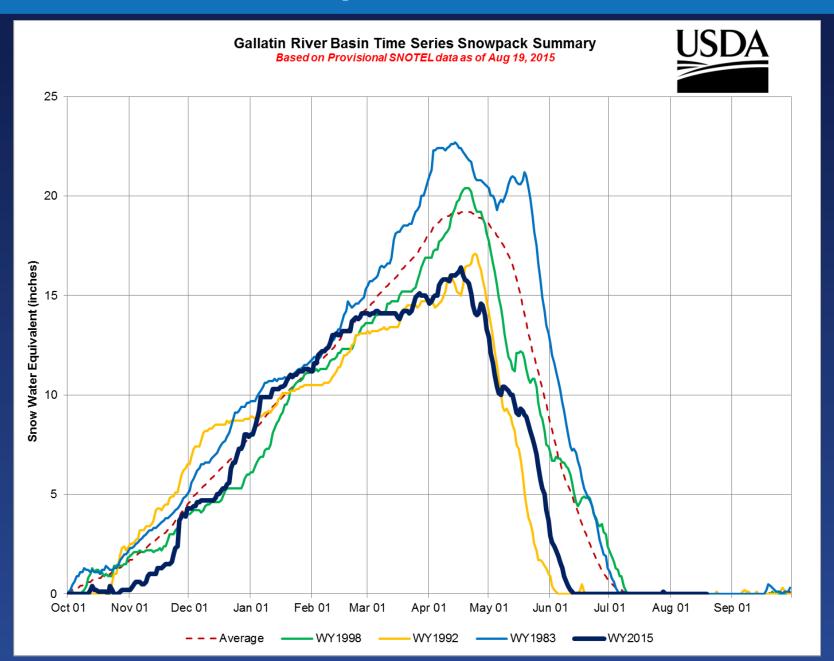
What's It Look Like?

"Godzilla" El Niño is not a technical or scientific term, but it's a good way to describe the upcoming El Niño event, because it could likely be one of the strongest since record-keeping began in 1950.

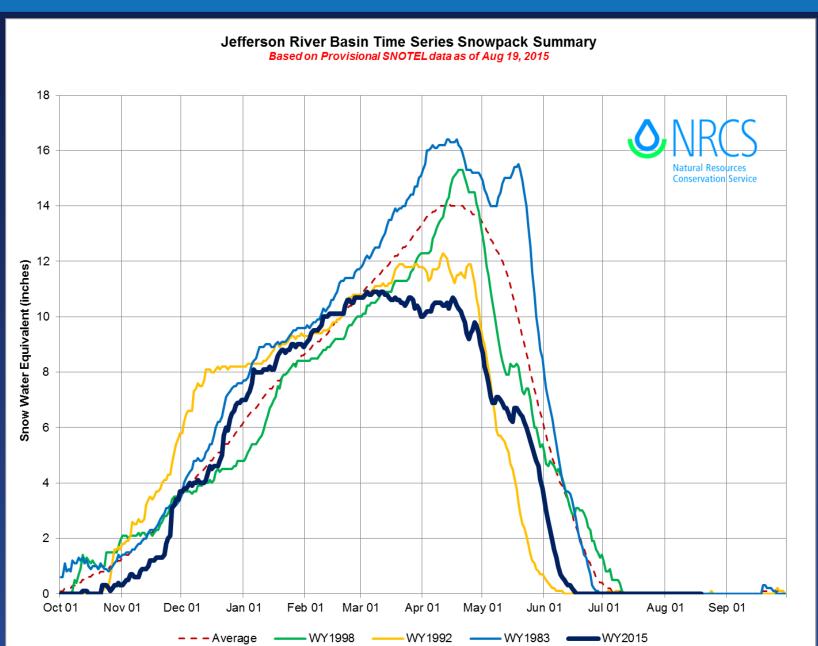




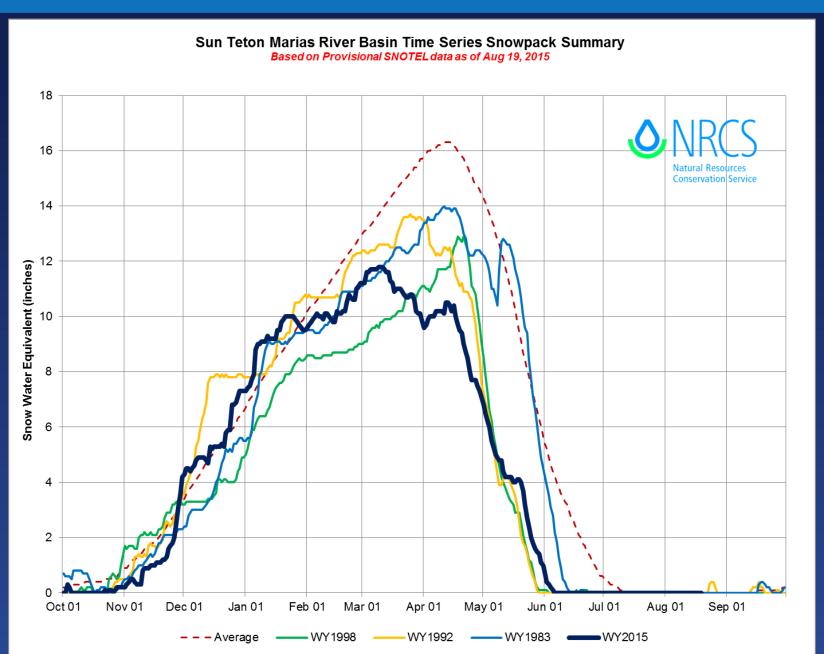














Summary

- Water Year-To-Date Precipitation is below average at mountain weather stations for August 20th in all basins across Montana
- April 1st to current precipitation is near to record low at many mountain SNOTEL locations west of the Divide.
- Above average July precipitation along the Idaho/Montana border did not make up for the water year and crop year deficits in many areas.
- Surface Water Supply Inidices continue to be very low, due to below average streamflows.
- Soil moisture state-wide is falling, and began to do so earlier than normal this summer due to lack of precipitation, above average temperatures, and below normal snowpack (at mountain locations).





USDA-NRCS Montana

USDA-NRCS Montana Homepage:

http://www.nrcs.usda.gov/wps/portal/nrcs/site/mt/home/

- Technical Resources
- Conservation Planning
- Soil Health



USDA-NRCS Montana Snow Survey and Water Supply Forecasting Program

http://www.nrcs.usda.gov/wps/portal/nrcs/main/mt/snow/

- Real-Time weather station information
- Daily precipitation, temperature and snowpack products
- Monthly water supply forecasts (January 1st June 1st)
- Low-Flow forecasts





http://www.nrcs.usda.gov/wps/portal/nrcs/main/mt/snow/





Photo: Looking up the South Fork of the Flathead from Desert Mountain. July 28th, 2015. Lucas Zukiewicz



USDA Farm Service Agency Disaster Program Overview



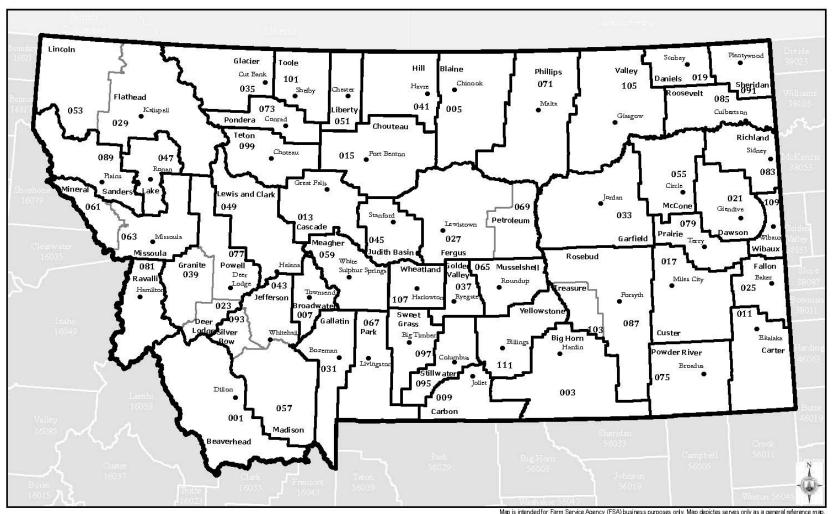
About USDA Farm Service Agency (FSA)

Local FSA service center offices across Montana administer farm program and loan programs authorized by Congress by permanent law and under the Agricultural Act of 2014, known as the 2014 Farm Bill. Each administrative FSA office has a County Committee, comprised of farmers and ranchers who help deliver FSA programs.

The state office is headquartered in Bozeman, Montana, and the national office in Washington, DC.



USDA Farm Service Agency Montana



Map is intended for Farm Service Agency (FSA) business purposes orly. Map depictes serves only as a general reference map, USDA is an equal opportunity punder and employer. Source: USDA Farm Service Agency and the State of Montana.

Combined Counties
Counties

FSA Service Center Offices

FSA Disaster Programs:

- □ CRP Emergency Haying and Grazing
- ☐ Emergency Assistance for Livestock, Honeybees and Farm-Raised Fish (ELAP)
- ☐ Emergency Conservation Program (ECP)
- ☐ Emergency Loan Program (EM)
- ☐ Livestock Forage Disaster Program (LFP)
- ☐ Livestock Indemnity Program (LIP)
- □ Noninsured Crop Disaster Assistance Program (NAP)
- ☐ Tree Assistance Program (TAP)

Two ways for eligibility:

- County is suffering from a 40% or greater loss in normal hay and pasture production for the 4 most recent months.
- County reaches "D2" on the drought monitor

Emergency Haying and Grazing of CRP acres must begin after the end of the primary nesting season which is July 15th. Emergency haying and grazing can begin July 16th.

Eligibility based on Precipitation

- County FSA office must submit evidence to the FSA State
 Office that the county is suffering from a 40% or greater loss in normal hay and pasture production.
- Precipitation loss must have occurred for the 4 most recent months, plus the days in the current month before the date of request
- Local FSA County office must get approval to implement emergency haying and grazing of CRP based on precipitation from the National FSA office

Eligibility based on the drought monitor

- FSA State Committee may authorize emergency haying and grazing based on the drought monitor.
- When county reaches "D2" on the drought monitor, FSA county office may submit a request to implement emergency haying and grazing of CRP to the FSA State Office.
- If the county has a value of "D2", "D3", or "D4" on the drought monitor, the county is eligible to request authority to implement emergency haying and grazing of CRP.

Eligible Montana Counties

The following counties are approved for Emergency Haying and Grazing of CRP for 2015 based on the drought monitor:

- Cascade
- Glacier
- Lake
- Lewis & Clark
- Liberty
- Pondera
- Teton
- Toole
- Daniels County is approved based on loss of precipitation eligibility criteria

ELAP Purpose:

ELAP provides emergency assistance to eligible producers of livestock, honeybees, and farm-raised fish that have losses due to disease, adverse weather, or other conditions, including losses due to blizzards and wildfires (on privately owned land) as determined by the Secretary.

Eligible Livestock Losses Due to Eligible Adverse Weather or Loss Conditions May Include:

- Grazing losses during the normal grazing period (not drought)
- Purchased and mechanically harvested forage and feed stuffs damaged or destroyed
- Additional cost of purchasing livestock feed above normal quantities

Eligible Livestock Losses Due to Eligible Adverse Weather or Loss Conditions May Include:

- Cost for transporting livestock feed to livestock if purchased or mechanically harvested forage is damaged or destroyed or additional feed purchased above normal
- Additional cost of transporting water to eligible livestock (started in 2014 instead of ECP water hauling)
- Physical loss of livestock in excess of normal mortality (no approved losses for Montana at this time)

Eligible Honeybee Losses Due to Eligible Adverse Weather or Loss Conditions May Include:

- Purchased or harvested feed losses
- Physical losses to colonies
- Physical losses to hives

ELAP Deadlines:

• 2015 – The <u>earlier</u> of 30 calendar days of when the loss is apparent or November 1, after the program year in which the loss occurred.

Note: producers must file a **Notice of Loss** and an **Application for Payment** by the deadlines listed above.

ECP Purpose

The purpose of ECP for drought is to provide cost-share assistance to eligible agriculture producers during periods of severe drought to:

- Supply emergency water for livestock, including confined livestock and poultry
- Supply emergency water for existing irrigation systems serving orchards and vineyards
- In addition to drought, ECP is used to provide cost-share assistance for other natural disasters. Fire, flood, tornados, hurricanes

ECP Eligibility Based on Precipitation Levels

- FSA County office must provide evidence that the county precipitation levels are at an average of 40% or greater loss of normal precipitation
- Precipitation loss must have occurred for the 4 most recent months, plus the days in the current month before the date of request
- National FSA office provides authority to FSA County office to implement ECP based on precipitation loss

ECP Eligibility Based on Drought Monitor

- If county reaches "D3" on the drought monitor, FSA county office may request authority to implement ECP
- FSA State Committee has authority to approve ECP requests based upon the drought monitor

2015 Montana Counties Approved

- Powder River County is approved for both fire and flood for 2015
- No additional counties are approved for ECP drought to provide cost-share assistance for livestock watering facilities.
- No additional counties are approved for ECP fire

EM Purpose

- Emergency Loans assist farmers and ranchers who have suffered physical or production losses in areas declared by the President as disaster areas or designated by the Secretary of Agriculture as disaster area or quarantine areas (for physical losses only, the FSA Administrator may authorize Emergency Loan assistance).
- Emergency Loans are only available as direct loans from FSA.
- The maximum indebtedness under the Emergency Loan program is \$500,000.

<u>Uses</u>

Emergency loan funds may be used to:

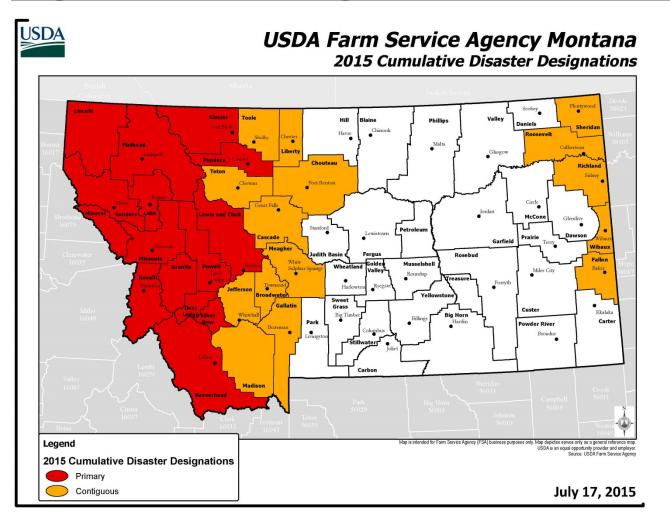
- Restore or replace essential property;
- Pay all or part of production costs associated with the disaster year;
- Pay essential family living expenses;
- Reorganize the farming operation and;
- Refinance certain debts.

Eligible Disaster Designated Montana Counties:

2015 Primary Disaster Counties: Beaverhead, Deer Lodge, Flathead, Glacier, Granite, Lake, Lewis and Clark, Lincoln, Mineral, Missoula, Pondera, Powell, Ravalli, Sanders, Silver Bow

2015 Contiguous Disaster Counties: Broadwater, Cascade, Chouteau, Fallon, Gallatin, Jefferson, Liberty, Madison, Meagher, Richland, Roosevelt, Sheridan, Toole, Teton and Wibaux

Eligible Disaster Designated Montana Counties:



- Designations have various incidence periods and disaster types.
- Producers
 have up to
 eight months
 from the date
 of the
 designation to
 apply for an
 EM with FSA.

Natural Disaster Designations

The Emergency Loan program is the only FSA program triggered by a Presidential or Secretarial Natural Disaster Designation. All other FSA disaster programs have other eligibility requirements.

Disaster Set-Aside:

Secretarial Disaster Designations in a county also allow an existing FSA farm loan borrowers in the designated county to set-aside one annual loan payment to the end of the loan in order to continue operating. Producers apply for this option through the Farm Loan office servicing their loan.

Tax Deferral Option: Producers in disaster counties can also exercise the IRS tax deferral option. Consult your accountant about this IRS option.

Livestock Forage Disaster Program (LFP) LFP Purpose:

LFP Provides Compensation to eligible livestock producers for covered livestock due to:

- Qualifying Drought
 Determined by the US Drought Monitor
- Fire on Federal Land

Livestock Forage Disaster Program (LFP) Levels of Qualifying Drought:

D2 (severe drought) for 8 consecutive weeks in any area of the county

• 1 monthly payment

D3 (extreme drought) at any time in any area of the county

• 3 monthly payments

D3 (extreme drought) for any 4 weeks during the grazing period in any area of the county

• 4 monthly payments

D4 (extreme drought) at any time during the grazing period in any area of the county

4 monthly payments

D4 (extreme drought) for any 4 weeks during the grazing period in any area of the county

• 5 monthly payments

Livestock Forage Disaster Program (LFP)

MT Counties Current Eligible for 2015 LFP (as of Aug. 14):

□Beaverhead	□Minera
-------------	---------

- □ Deer Lodge □ Missoula
- □ Flathead □ Pondera
- □Glacier □Powell
- **□Granite □Ravalli**
- □ Lake □ Sanders
- □ Lewis and Clark □ Silver Bow
- □ Lincoln

Livestock Forage Disaster Program (LFP) Qualifying Fire Losses

Must occur on rangeland managed by a Federal Agency

Eligible producers must have been prohibited from grazing their normal permitted livestock during the grazing period due to the fire

Livestock Forage Disaster Program (LFP) Deadline

February 1, 2016 for all 2015 losses

Must have a completed application, including a supporting documentation on file by this date.

Supporting documentation includes land leases (if applicable), verification of livestock inventory and payment eligibility forms.

Livestock Indemnity Program (LIP) <u>LIP Purpose</u>

LIP provides benefits to livestock producers for livestock deaths in excess of normal mortality caused by adverse weather. LIP also covers attacks by animals reintroduced into the wild by the federal government or protected by federal law, including wolves and avian predators.

Livestock Indemnity Program (LIP)

Deadlines

Date of Livestock Death	Final Date to File Notice of Loss	Final Date to Submit an Application for Payment
Calendar Year 2015	30 Days after Death is Apparent	Feb. 1, 2016
2016 and subsequent years	30 Days after Death is Apparent	30 calendar days after the end of the calendar year in which the loss occurred

Purpose

NAP provides financial assistance for noninsurable crop losses due to drought, flood, hurricane, or other natural disasters that result in lower yields or crop losses, or prevented planting of a crop. Landowners, tenants, or sharecroppers who share in the risk of producing an eligible crop are eligible.

Eligible Crops

Eligible crops are those where crop insurance is unavailable. Also eligible for NAP coverage are controlled-environment crops (mushroom and floriculture), specialty crops (honey and maple sap), and value loss crops (aquaculture, Christmas trees, ginseng, ornamental nursery, and turfgrass sod).

2014 Farm Bill Improvements

- NAP was expanded from basic catastrophic coverage to include buy-up coverage levels. Producers may elect additional coverage levels ranging from 50 to 65 percent of production, in 5 percent increments, at 100 percent of the average market price.
- Producers who elect additional coverage must pay a premium in addition to the service fee. Crops intended for grazing are not eligible for additional coverage.
- Beginning, limited resource, and underserved farmers are eligible for a waiver of the service fee and a 50 percent premium reduction.

2016 Crop Year Sales Closing Dates/Deadlines

- Sept. 1, 2015: 2016 NAP Application Closing Date for Value-Loss Crops
- Sept. 30, 2015: 2016 NAP Application Closing Date for Annual Fall-Seeded Crops, Perennial Forage and Grazing, Mixed Forage Crops, Rye, Speltz, Triticale, Wheat and Garlic
- Dec. 1, 2015: 2016 NAP Application Closing Date for Honey Producers
- March 15, 2016: 2016 NAP Application Closing Date for All Other Crops

Tree Assistance Program (TAP)

TAP Purpose

TAP provides financial assistance to qualifying orchardists and nursery tree growers to replant or rehabilitate eligible trees, bushes and vines damaged by natural disasters.

TAP Deadline

The final date to submit an application and supporting documentation is the later of 90 calendar days of the disaster event or the date when the loss is apparent.

Visit Farm Service Agency Online

- http://www.fsa.usda.gov/programs-and-services/disaster-assistanceprogram/index - DISASTER WEBSITE
- www.fsa.usda.gov/farmbill FARM BILL WEBSITE
- <u>www.fsa.usda.gov</u> NATIONAL WEBSITE
- www.fsa.usda.gov/mt MONTANA WEBSITE



For assistance with FSA programs, contact your local FSA service center office.

Get Connected to Montana FSA eNews

Montana agricultural producers who have not signed up in GovDelivery eNews for electronic FSA eNews updates are encouraged to do so. To subscribe, contact your local FSA office and let them know that you want to receive eNews via GovDelivery or signup on your own at: www.fsa.usda.gov/subscribe and select the following Montana FSA subscriptions:

Updates by State and County:

- Montana State Office Newsletter and Updates
- ☐ Your County(ies) Office Newsletter and Updates

News and Events:

☐ MT - Press Releases



USDA Farm Service Agency - Montana Office Directory Montana FSA State Office | P.O. Box 670 | Bozeman, MT 59771 | State Executive Director Bruce Nelson Phone: 406.587.6872 Fax: 855.546.0264 Web: www.fsa.usda.gov/mt

	FSA Service Center Offices (Listed by County/Reservation)						
Beaverhead	420 Barrett Street, Dillon, MT 59725	406/683-3830	855/556-1258				
	420 Barrett Street, Birlon, WT 33723	400/083-3830	833/330-1238				
Big Horn, Crow Reservation, Northern Cheyenne Reservation	724 West Third, Hardin, MT 59034	406/665-3442	855/556-1457				
Blaine, Fort Belknap Reservation	PO Box 307, 228 Ohio, Chinook, MT 59523	406/357-2320	855/546-0388				
Broadwater	415 South Front Street, Townsend, MT 59644	406/266-4253	855/575-2506				
Carbon	PO Box 509, 606 W Front Street, Joliet, MT 59041- 0136	406/962-3300	855/558-5641				
Carter	PO Box 5, 308 S. Mormon Ave., Ekalaka, MT 59324	406/775-6355	855/556-1271				
Cascade	#12 Third St NW, Suite 300, Great Falls, MT 59404	406/727-7580	866/609-8434				
Chouteau	PO Box 309, 1210 25th Street, Fort Benton, MT 59442-0309	406/622-5401	855/556-1450				
Custer	3120 Valley Drive East, Miles City, MT 59301-5599	406/232-7905	855/558-5665				
Daniels	131 B Highway 5 East, Scobey, MT 59263	406/487-5366	855/575-2501				
Dawson	102 Fir Street, Glendive, MT 59330-3196	406/377-5566	855/556-1455				
Deer Lodge	1002 Hollenback Road, Suite B, Deer Lodge, MT 59722	406/846-2337	855-547-5750				
Fallon	PO Box 1516, 141 South 4th Street West, Baker, MT 59313-1516	406/778-2238	855-510-7029				
Fergus	211 McKinley St., Suite 2, Lewistown, MT 59457	406/538-3489	855/558-5654				
Flathead	133 Interstate LN, Kalispell, MT 59901-2877	406/752-4242	855/558-5653				
Gallatin	3710 W. Fallon St. Ste. D, Bozeman, MT 59718-6433	406/522-4000	855/546-0262				
Garfield	PO Box 329, 307 Main St., Jordan, MT 59337	406/557-2740	855/558-5652				
Glacier, Blackfeet Reservation	1 3rd St. NE, Cut Bank, MT 59427	406/873-5618	855/547-5749				
Golden Valley	PO Box 5, 206 First Street North, Ryegate, MT 59074	406/568-2221	855/575-2500				
Granite	1002 Hollenback Road, Suite B, Deer Lodge, MT 59722	406/846-2337	855-547-5750				
Hill, Rocky Boy's Reservation	Hill Co. FSA Office, 206 25 th Ave W. Suite #2, Havre MT 59501	406/265-6792	855/556-1459				
Jefferson	3 Whitetail Road, Whitehall, MT 59759-9635	406/287-3262	855/576-2669				
Judith Basin	Box 483, 121 Central Avenue, Stanford, MT 59479	406/566-2218	855/575-2504				
Lake, Flathead Reservation	64352 US Highway 93, Ronan, MT 59864-8738	406/676-2811	855/575-2498				
Lewis and Clark	790 Colleen Street, Helena, MT 59601	406/449-5277	855/558-5608				
Liberty	PO Box 669, 18 Main Street, Chester, MT 59522- 0669	406/759-5129	855/546-0386				

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USDA

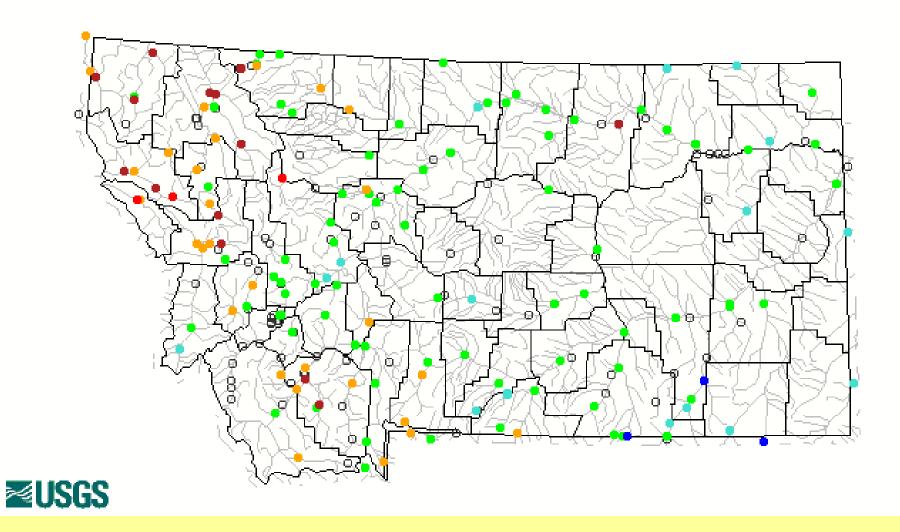
Montana FSA Office Directory page 2 of 2 *revised 11/5/2014

Multitalia i da diffice bil ectul y page 2 di 2 Tevised 11/3/2014						
County/ Reservation:	FSA Office Address:	Phone #	Fax #			
Lincoln	133 Interstate LN, Kalispell, MT 59901-2877	406/752-4242	855/558-5653			
McCone	PO Box 187, 104 10th Street, Circle, MT 59215-0187	406/485-2744	855/546-0416			
Madison	3 Whitetail Road, Whitehall, MT 59759-9635	406/287-3262	855/576-2669			
Meagher	PO Box J, 4147 Highway 89, White Sulphur Springs, MT 59645	406/547-3521	855/576-2402			
Mineral	3550 Mullan Road, Suite 106, Missoula, MT 59808-5125	406/829-3395	855/558-5666			
Missoula	3550 Mullan Road, Suite 106, Missoula, MT 59808-5125	406/829-3395	855/558-5666			
Musselshell	109 Railroad Ave. East, Roundup, MT 59072	406/323-2067	855/575-2499			
Park	5242 Hwy. 89 South, Livingston, MT 59047-9611	406/222-0212	855/558-5656			
Petroleum	211 McKinley St., Suite 2, Lewistown, MT 59457	406/538-3489	855/558-5654			
Phillips, Fort Belknap Reservation	1120 US Hwy 191 S, Suite 2, Malta, MT 59538	406/654-1333	855/558-5661			
Pondera	406 North Main, Conrad, MT 59425-2706	406/278-7611	855/547-5499			
Powder River	PO Box 9, 114 N. Lincoln Ave., Broadus, MT 59317	406/436-2321	855/546-0273			
Powell	1002 Hollenback Road, Suite B, Deer Lodge, MT 59722	406/846-2337	855-547-5750			
Prairie	PO Box 626, 409 East Spring, Terry, MT 59349	406/635-5381	855/575-2505			
Ravalli	1709 North First Street, Hamilton, MT 59840-3357	406/363-1444	855/556-1456			
Richland	2745 West Holly Street, Sidney, MT 59270	406/433-2103	855/575-2503			
Roosevelt, Fort Peck Reservation	PO Box 519, 508 6th St. E, Culbertson, MT 59218-0519	406/787-6262	855/547-5748			
Rosebud, Northern Cheyenne Res.	PO Box 6, 270 South Prospect, Forsyth, MT 59327-0006	406/346-7333	855/556-1448			
Sanders	PO Box 639, 7487 MT Highway 200, Plains, MT 59859	406/826-3751	855/558-5669			
Sheridan,	119 North Jackson, Plentywood, MT 59254	406/765-1550	855/575-2496			
Silver Bow	3 Whitetail Road, Whitehall, MT 59759-9635	406/287-3262	855/576-2669			
Stillwater	334 North 9th Street, Columbus, MT 59019	406/322-5348	855/546-0421			
Sweet Grass	PO Box 610, 225 Big Timber Loop Rd., Big Timber, MT 59011	406/932-5159	855/546-0258			
Teton	1102 Main Ave. North, Suite 2, Choteau, MT 59422-0836	406/466-5351	855/546-0390			
Toole	1125 Oilfield Avenue, Shelby, MT 59474	406/434-5234	855/575-2502			
Treasure	PO Box 6, 270 South Prospect, Forsyth, MT 59327-0006	406/346-7333	855/556-1448			
Valley, Fort Peck Reservation	54062 US Hwy. 2, Suite 1, Glasgow, MT 59230-2846	406/228-4321	855/556-1454			
Wheatland	PO Box 669, 809 Second Ave., NW, Harlowton, MT 59036-0669	406/632-5622	855/556-1458			
Wibaux	502 2nd Ave., NW Wibaux, MT 59353-9040	406/796-2221	855/576-2670			
Yellowstone	1629 Ave. D, Bldg. A, Suite 2, Billings, MT 59102-3042	406/657-6135	855/546-0259			
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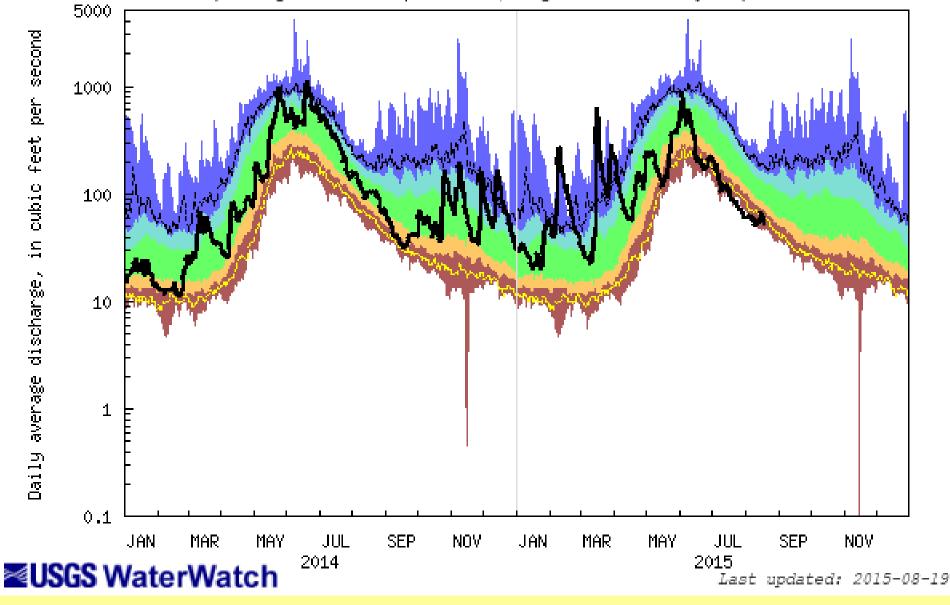
DAILY STREAMFLOW CONDITIONS

Wednesday, August 19, 2015 12:30ET



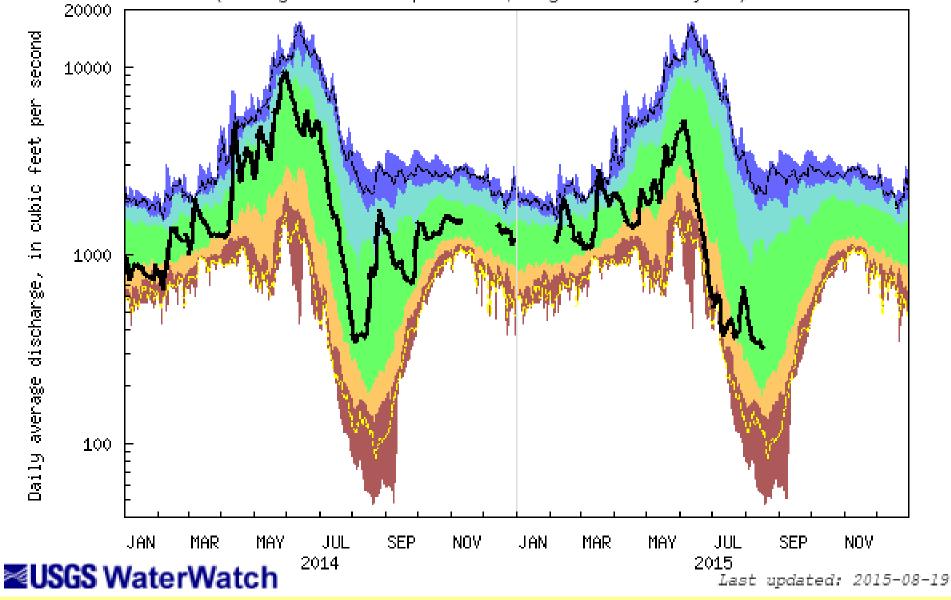
Normal

USGS 05014500 Swiftcurrent Creek at Many Glacier MT (Drainage Area: 30.9 square miles, Length of Record: 102 years)



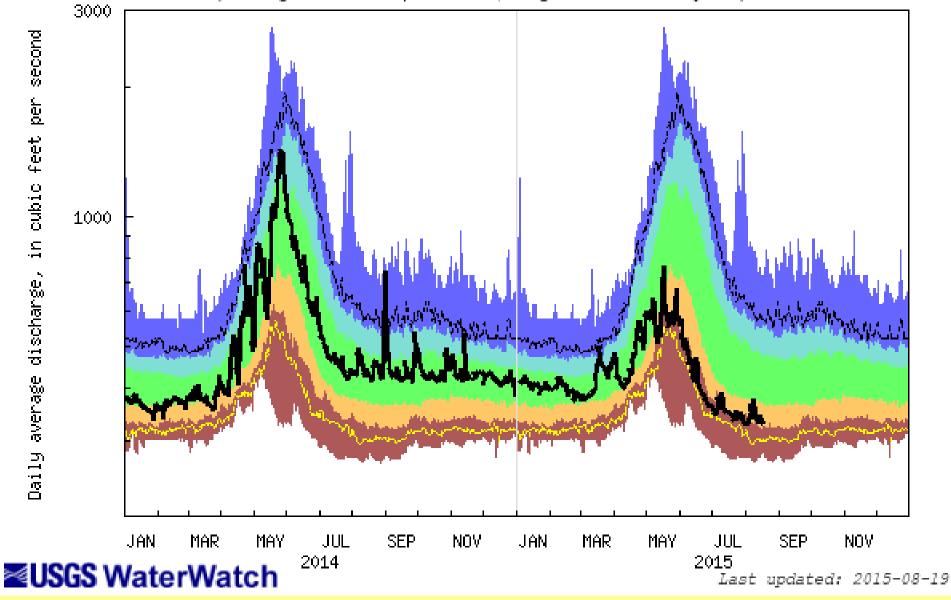


USGS 06036650 Jefferson River near Three Forks MT (Drainage Area: 9532 square miles, Length of Record: 36 years)



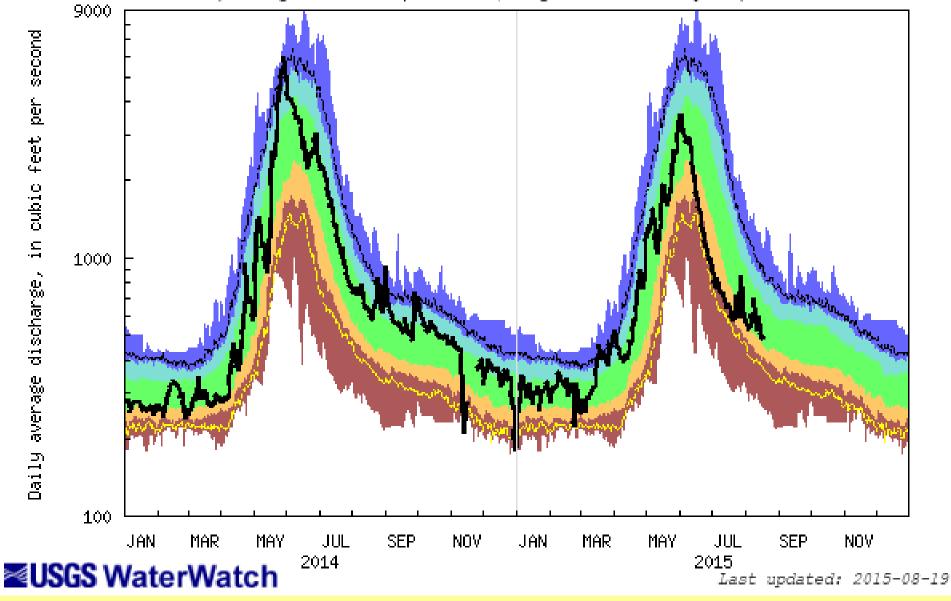
Explanation - Percentile classes					
lowest- 10th percentile	10-24	25-75	76-90	90th percentile -highest	Flow
Much below normal	Below normal	Normal	Above normal	Much above normal	

USGS 06037500 Madison River near West Yellowstone MT (Drainage Area: 420 square miles, Length of Record: 101 years)



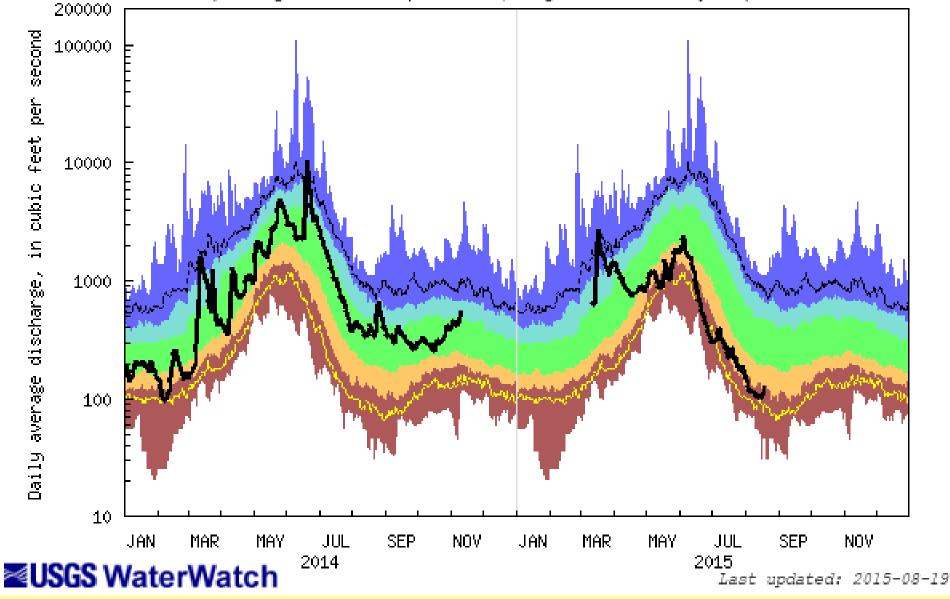
xplana	tion - Pe	ercentile	classes	
10.24	25.75	76.00	90th percentile	
Below.		-	-highest Much above	Flow
	10-24	10-24 25-75	10-24 25-75 76-90	nd

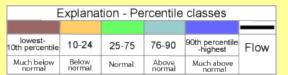
USGS 06043500 Gallatin River near Gallatin Gateway MT (Drainage Area: 825 square miles, Length of Record: 125 years)



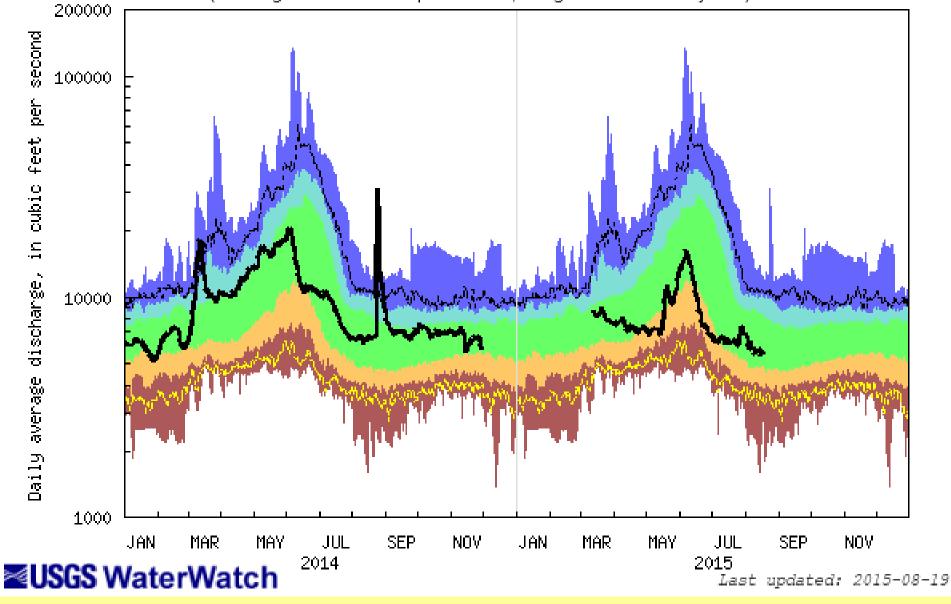
Explanation - Percentile classes					
					_
lowest- 10th percentile	10-24	25-75	76-90	90th percentile -highest	Flow
Much below normal	Below normal	Normal	Above normal	Much above normal	

USGS 06099500 Marias River near Shelby MT (Drainage Area: 3242 square miles, Length of Record: 112 years)



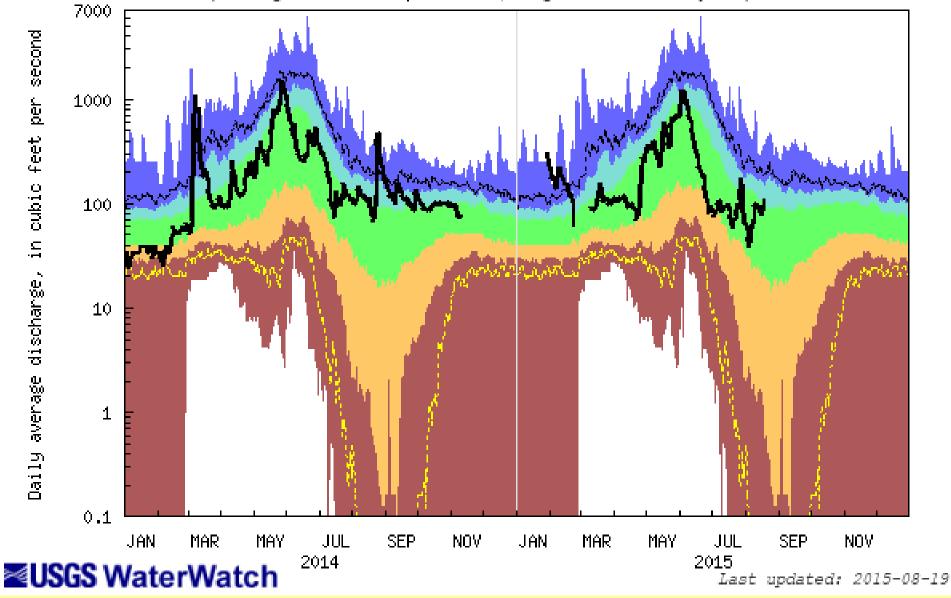


USGS 06115200 Missouri River near Landusky MT (Drainage Area: 40987 square miles, Length of Record: 80 years)



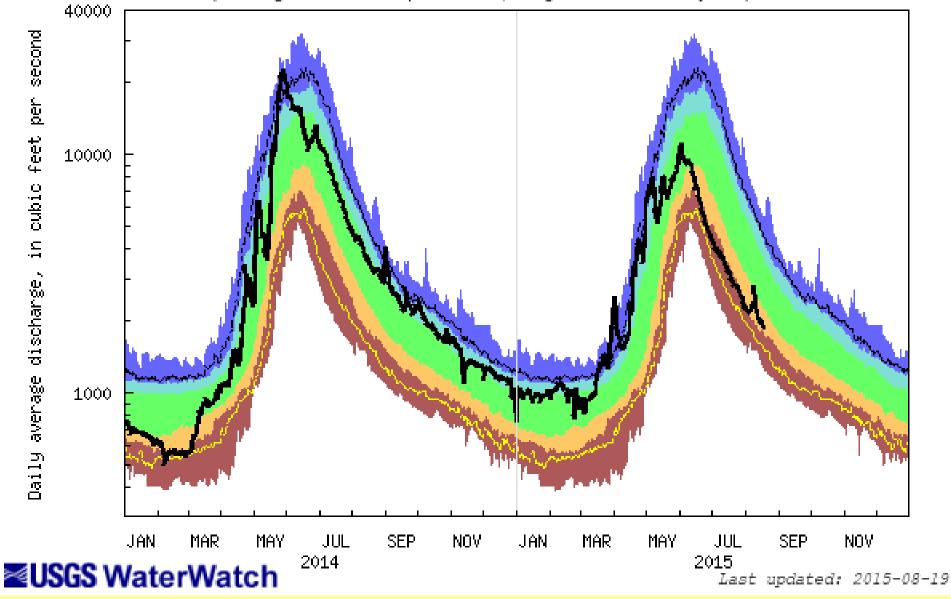
Explanation - Percentile classes					
lowest- 10th percentile	10-24	25-75	76-90	90th percentile -highest	Flow
Much below normal	Below normal	Normal	Above normal	Much above normal	

USGS 06120500 Musselshell River at Harlowton MT (Drainage Area: 1125 square miles, Length of Record: 107 years)



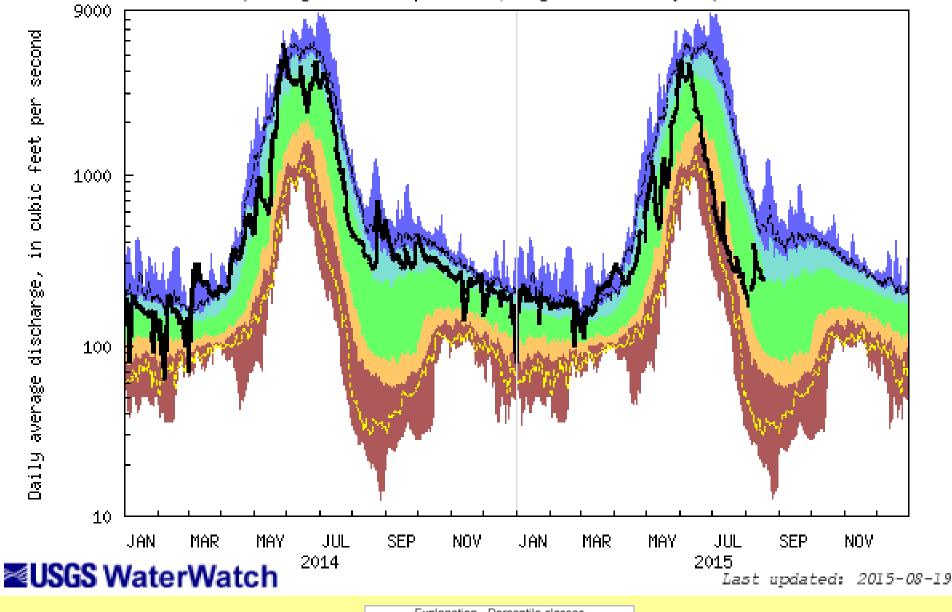
Explanation - Percentile classes					
lowest- 10th percentile	10-24	25-75	76-90	90th percentile -highest	Flow
Much below normal	Below normal	Normal	Above normal	Much above normal	

USGS 06191500 Yellowstone River at Corwin Springs MT (Drainage Area: 2619 square miles, Length of Record: 125 years)



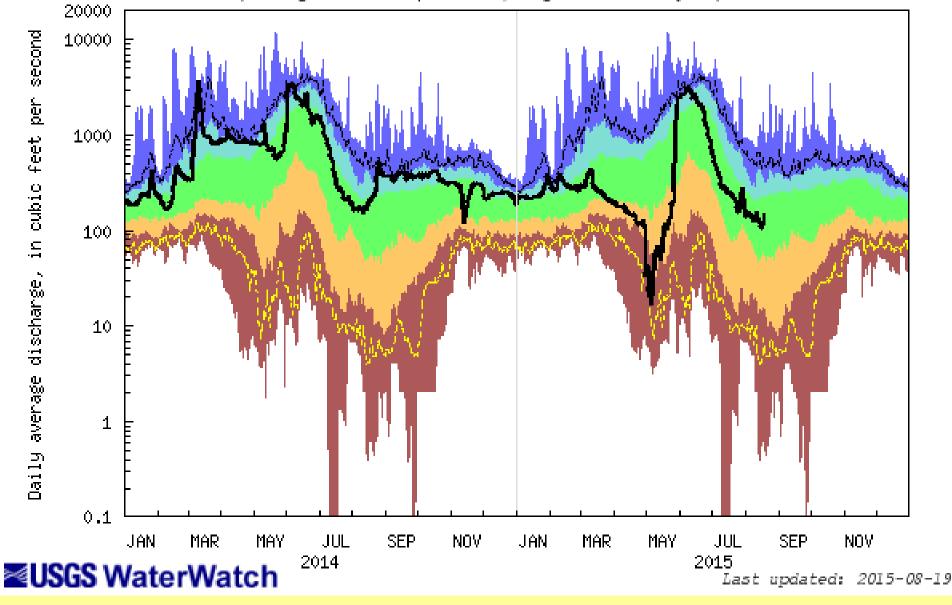
Explanation - Percentile classes					
lowest- 10th percentile	10-24	25-75	76-90	90th percentile -highest	Flow
Much below normal	Below normal	Normal	Above normal	Much above normal	

USGS 06200000 Boulder River at Big Timber MT (Drainage Area: 523 square miles, Length of Record: 67 years)



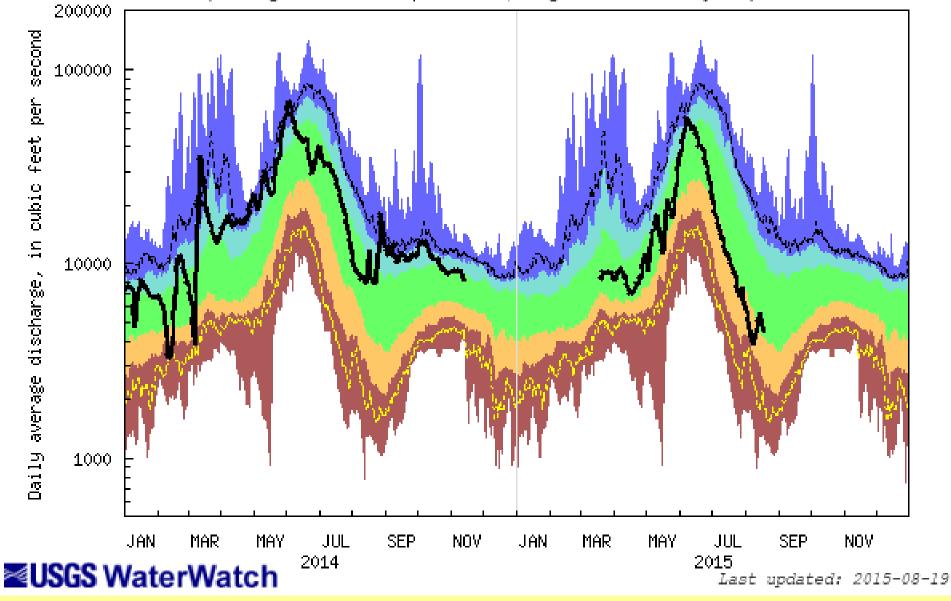
Explanation - Percentile classes						
lowest- 10th percen	tile	10-24	25-75	76-90	90th percentile -highest	Flow
Much belo normal	w	Below normal	Normal	Above normal	Much above normal	

USGS 06308500 Tongue River at Miles City MT (Drainage Area: 5397 square miles, Length of Record: 76 years)



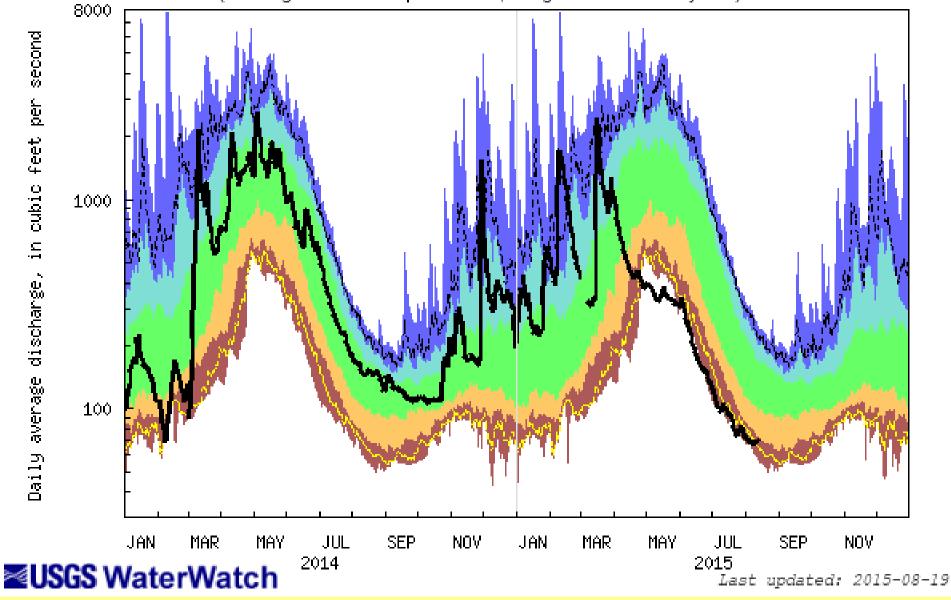
Explanation - Percentile classes					
lowest- 10th percentile	10-24	25-75	76-90	90th percentile -highest	Flow
Much below normal	Below normal	Normal	Above normal	Much above normal	

USGS 06329500 Yellowstone River near Sidney MT (Drainage Area: 69083 square miles, Length of Record: 104 years)



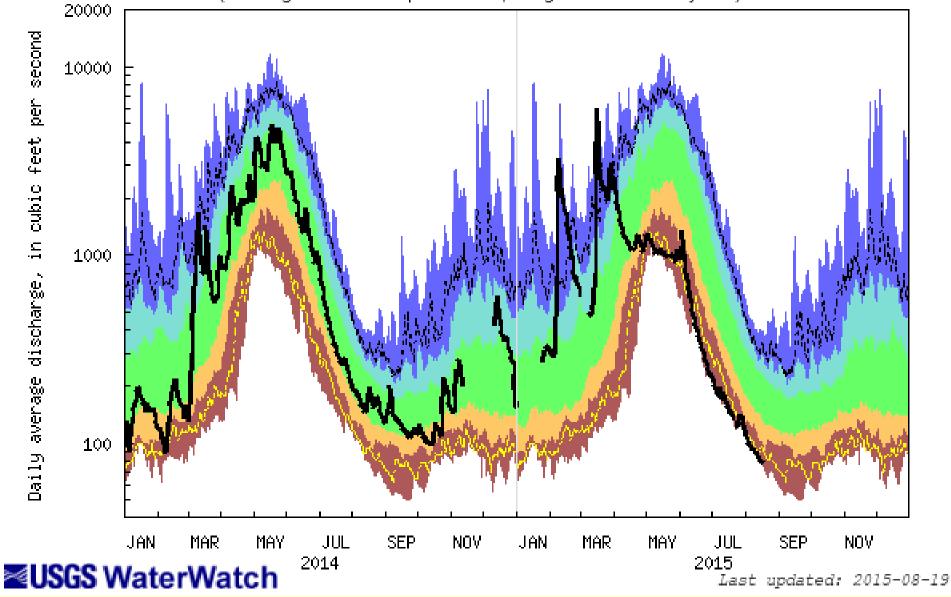
Explanation - Percentile classes					
lowest- 10th percentile	10-24	25-75	76-90	90th percentile -highest	Flow
Much below normal	Below normal	Normal	Above normal	Much above normal	

USGS 12302055 Fisher River near Libby MT (Drainage Area: 838 square miles, Length of Record: 47 years)



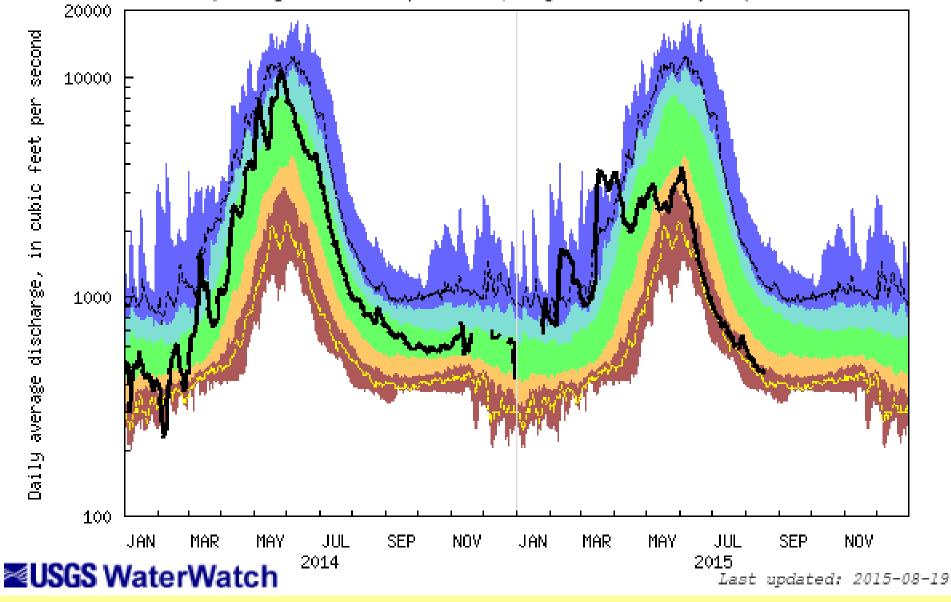
Explanation - Percentile classes						
lowest- 10th percentile	10-24	25-75	76-90	90th percentile -highest	Flow	
Much below normal	Below normal	Normal	Above normal	Much above normal		

USGS 12304500 Yaak River near Troy MT (Drainage Area: 766 square miles, Length of Record: 58 years)



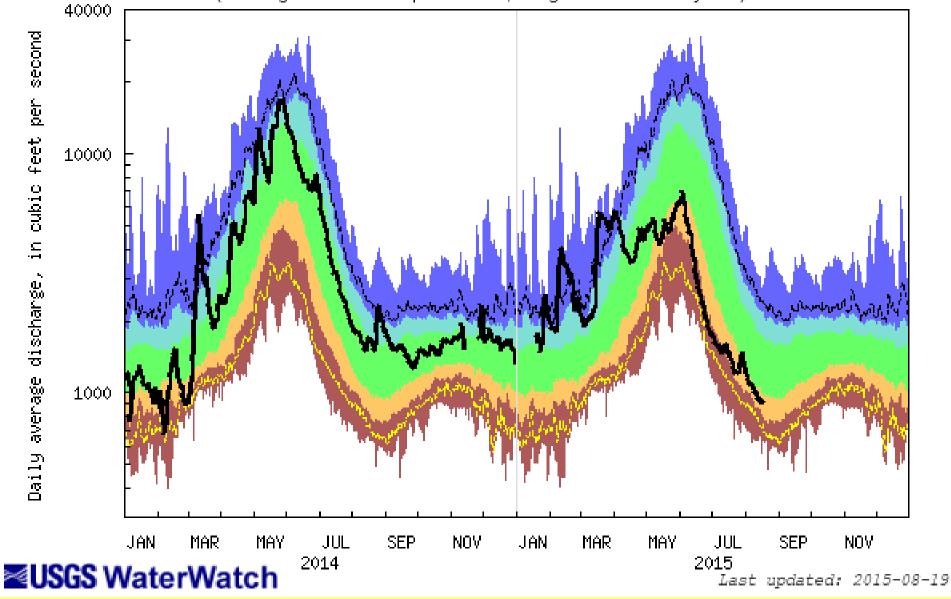
Explanation - Percentile classes						
lowest- 10th percentile	10-24	25-75	76-90	90th percentile -highest	Flow	
Much below normal	Below normal	Normal	Above normal	Much above normal		

USGS 12340000 Blackfoot River near Bonner MT (Drainage Area: 2290 square miles, Length of Record: 116 years)



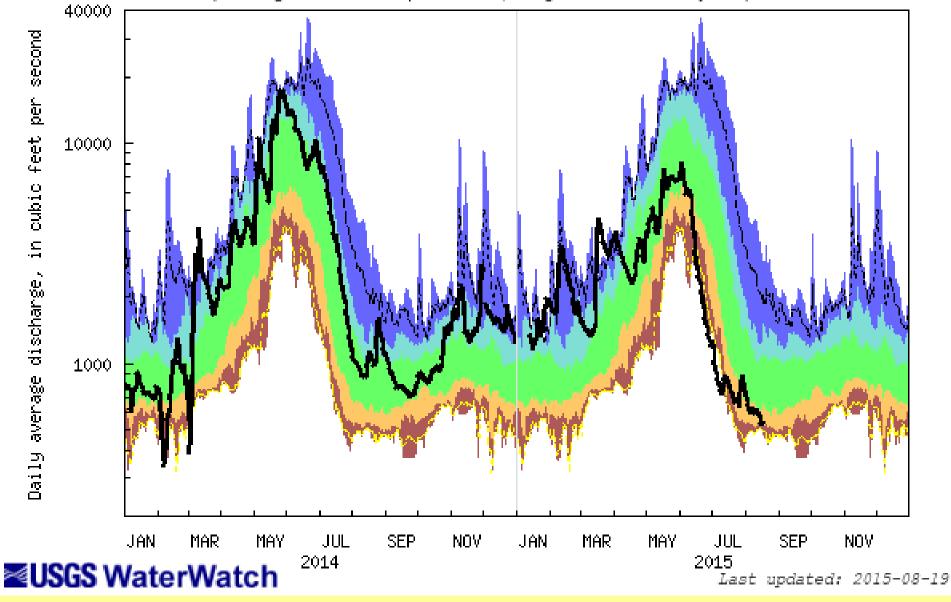
Explanation - Percentile classes					
lowest- 10th percentile	10-24	25-75	76-90	90th percentile -highest	Flow
Much below normal	Below normal	Normal	Above normal	Much above normal	

USGS 12340500 Clark Fork above Missoula MT (Drainage Area: 5999 square miles, Length of Record: 85 years)



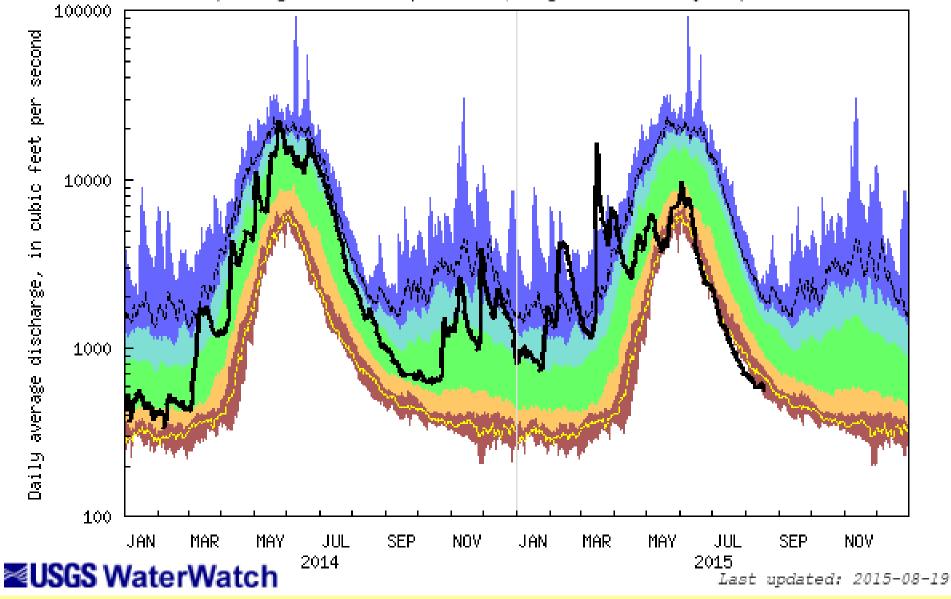
Explanation - Percentile classes					
lowest- 10th percentile	10-24	25-75	76-90	90th percentile -highest	Flow
Much below normal	Below normal	Normal	Above normal	Much above normal	

USGS 12352500 Bitterroot River near Missoula MT (Drainage Area: 2814 square miles, Length of Record: 116 years)



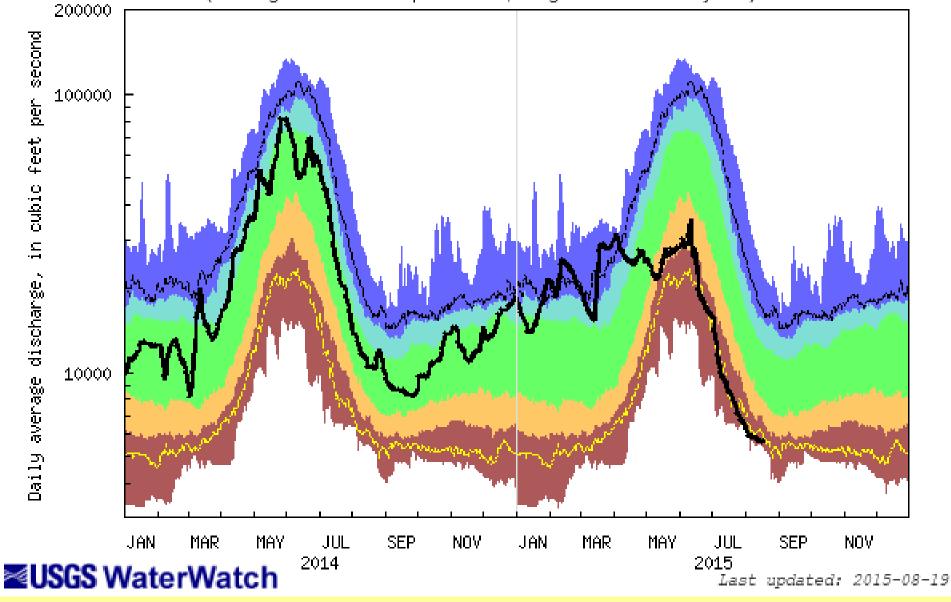
Explanation - Percentile classes						
lowest- 10th percentile	10-24	25-75	76-90	90th percentile -highest	Flow	
Much below normal	Below normal	Normal	Albove normal	Much above normal		

USGS 12358500 M F Flathead River near West Glacier MT (Drainage Area: 1128 square miles, Length of Record: 75 years)



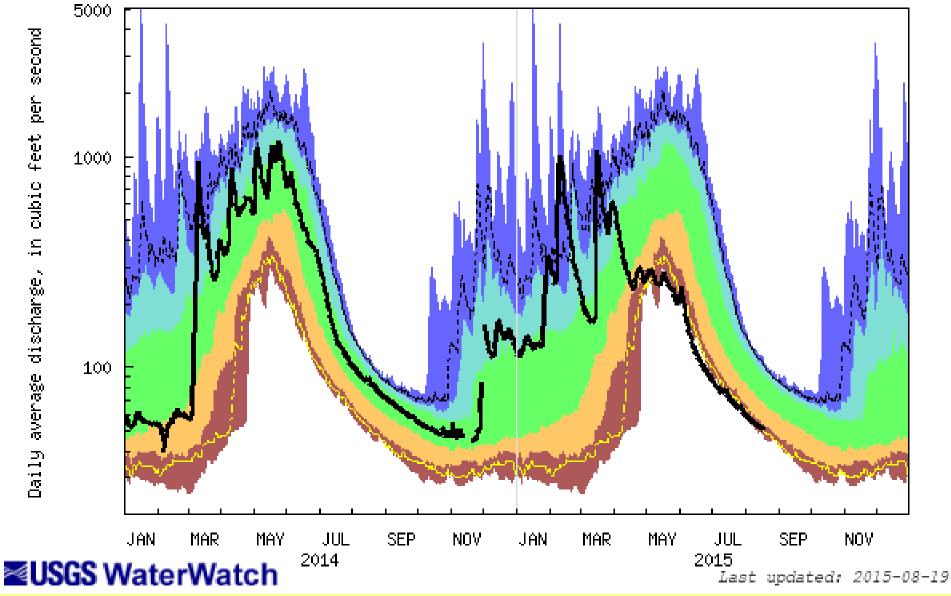
Explanation - Percentile classes					
lowest- 10th percentile	10-24	25-75	76-90	90th percentile -highest	Flow
Much below normal	Below normal	Normal	Above normal	Much above normal	

USGS 12389000 Clark Fork near Plains MT (Drainage Area: 19958 square miles, Length of Record: 104 years)



Explanation - Percentile classes					
lowest- 10th percentile	10-24	25-75	76-90	90th percentile -highest	Flow
Much below normal	Below normal	Normal	Above normal	Much above	

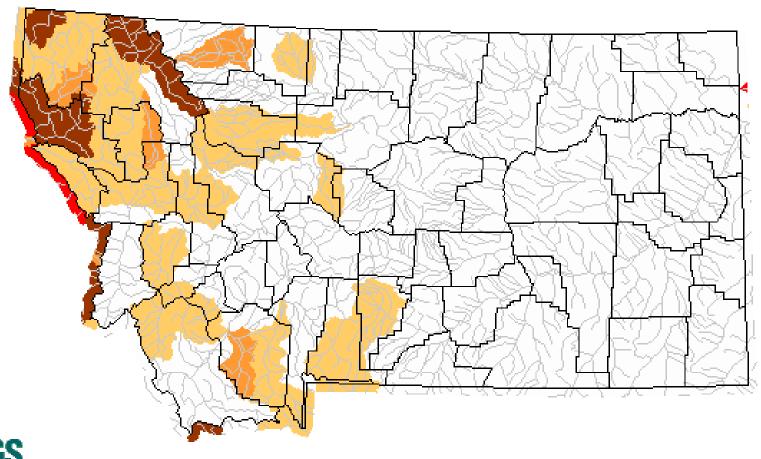
USGS 12390700 Prospect Creek at Thompson Falls MT (Drainage Area: 182 square miles, Length of Record: 58 years)



Explanation - Percentile classes						
lowest- 10th percentile	10-24	25-75	76-90	90th percentile -highest	Flow	
Much below normal	Below normal	Normal	Above normal	Much above normal		

Map of below normal 7-day average streamflow compared to historical streamflow for the day of year (Montana)

Tuesday, August 18, 2015





Explanation - Percentile classes							
Low	<=5	6-9	10-24	Insufficient data for a hydrologic			
Extreme hydrologic drought	Severe hydrologic drought	Moderate hydrologic drought	Below normal	region			

